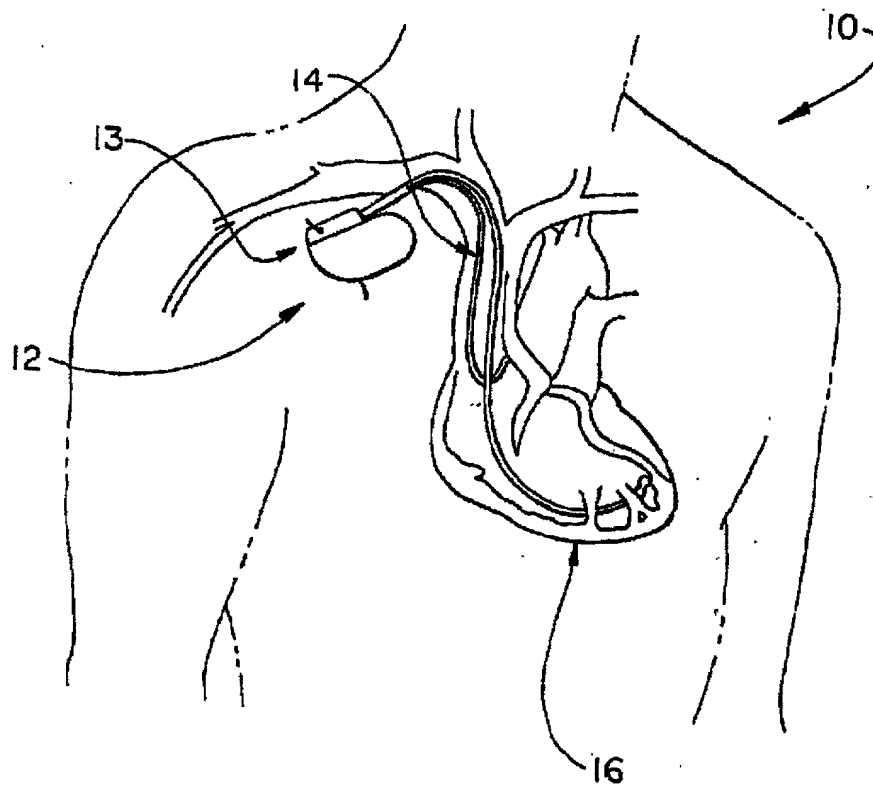


Fig. 1



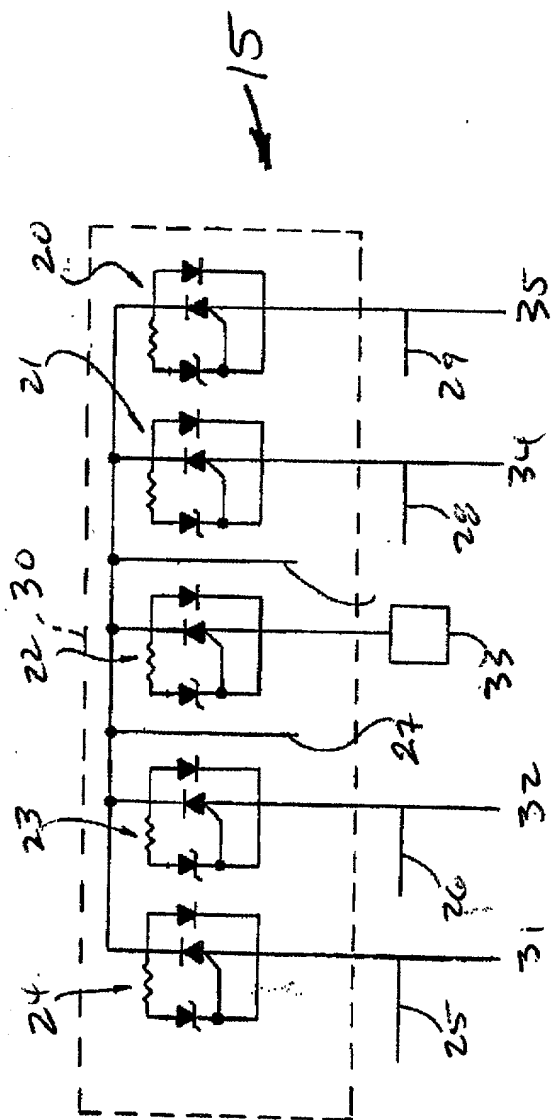


Fig. 2

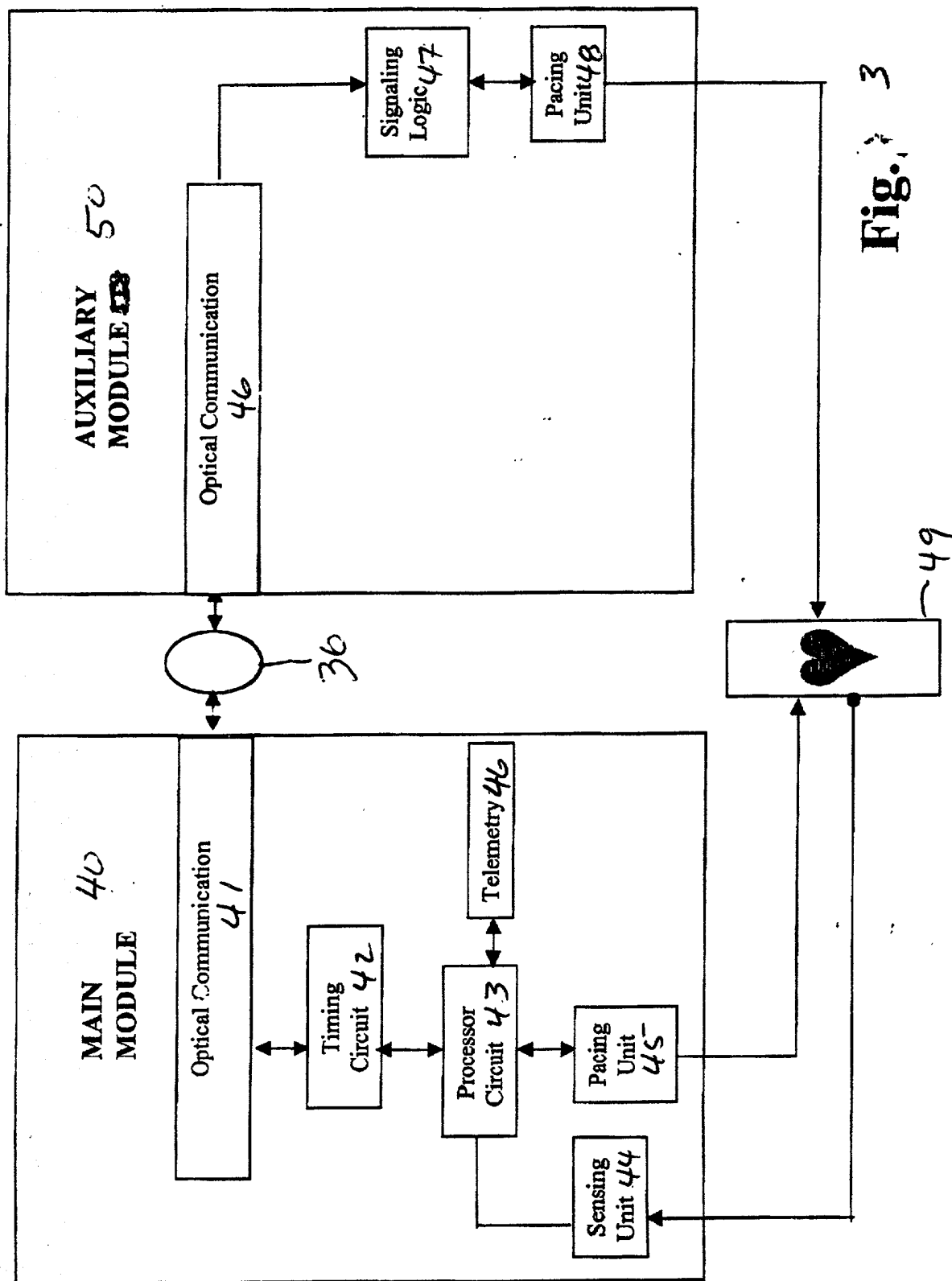


Fig. 3

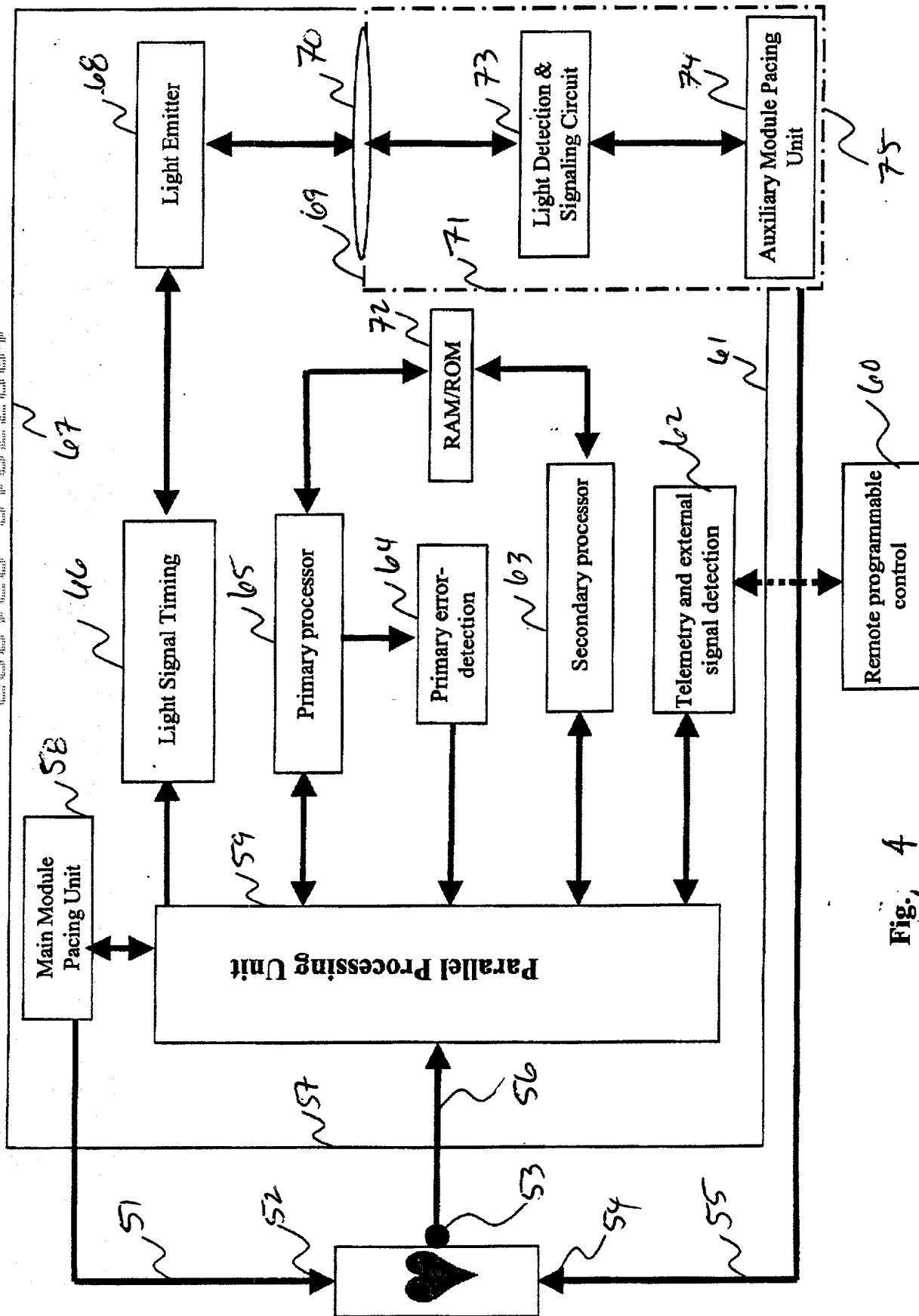


Fig. 4

570

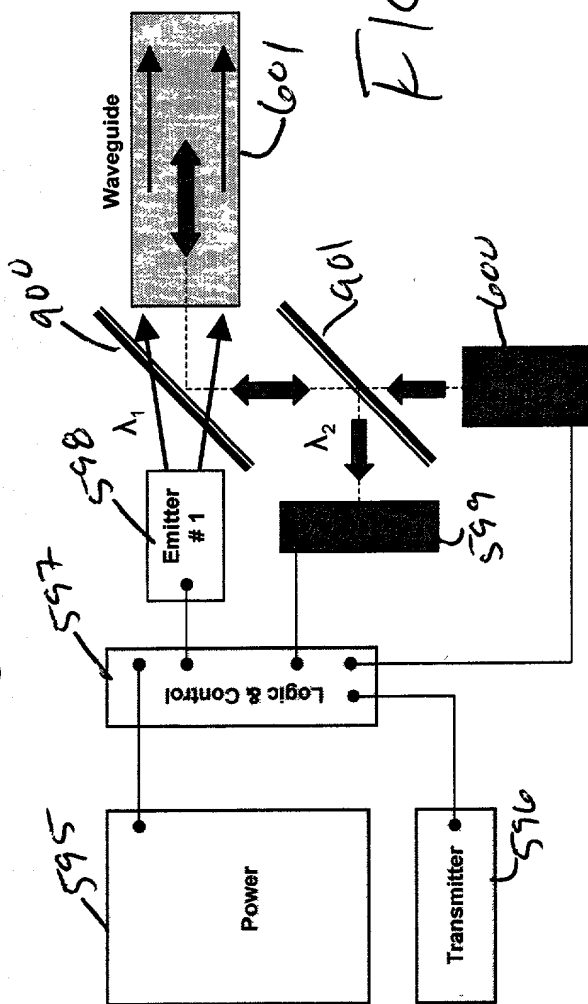


FIG 570

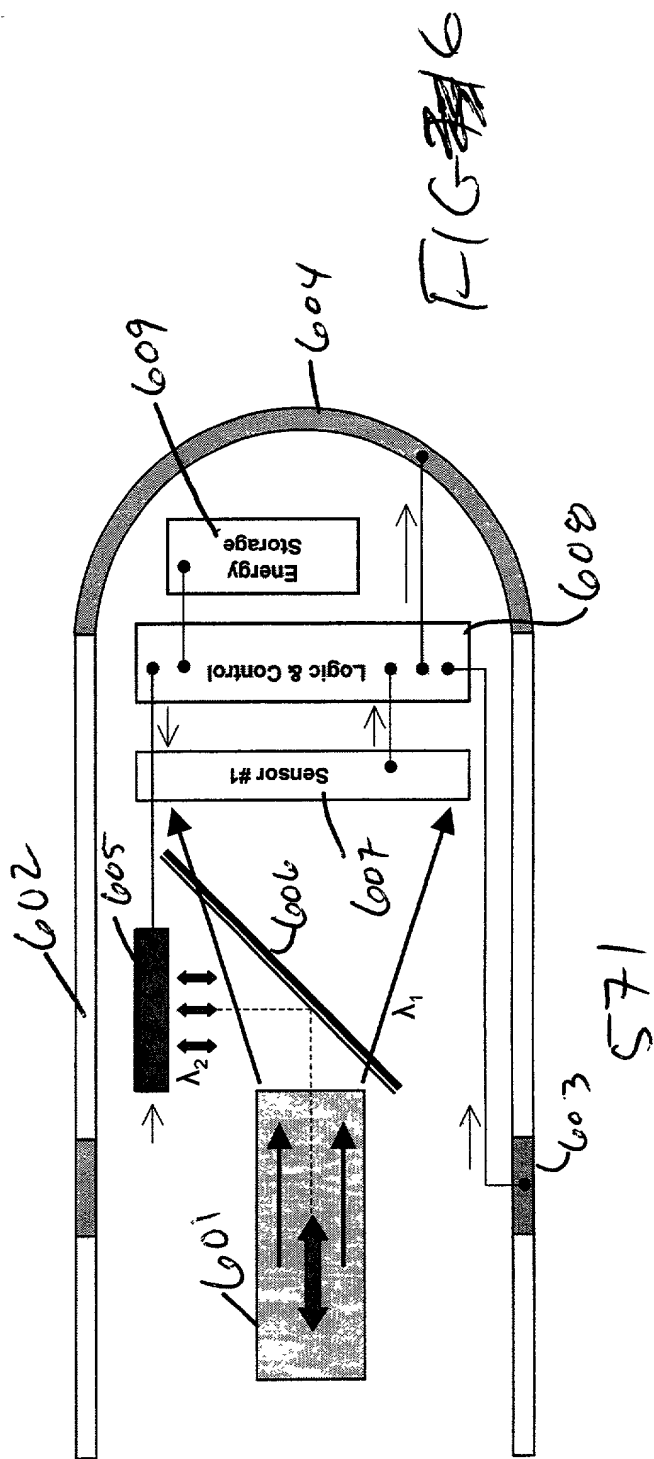


FIG 571

FIG 7

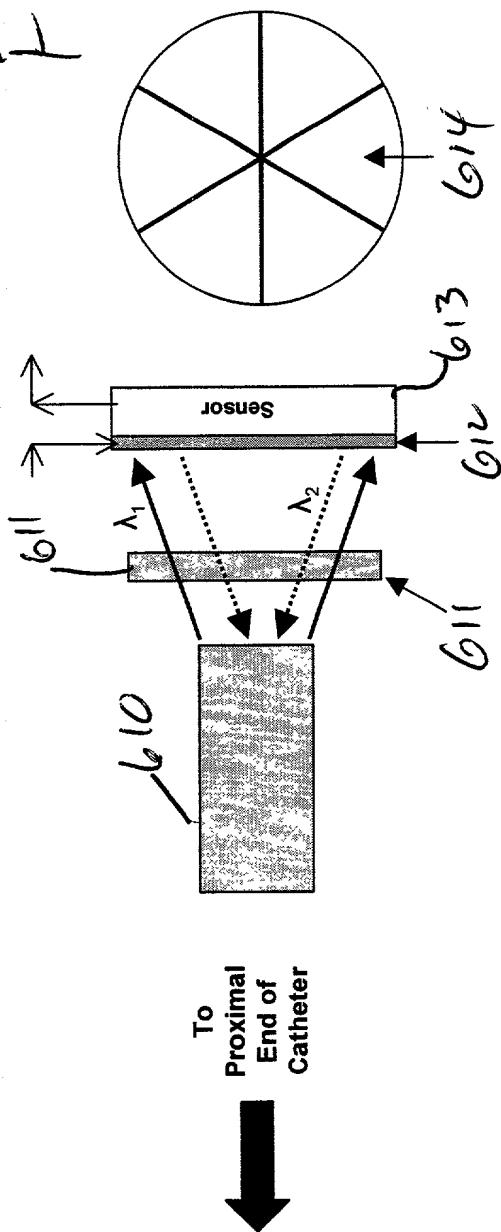
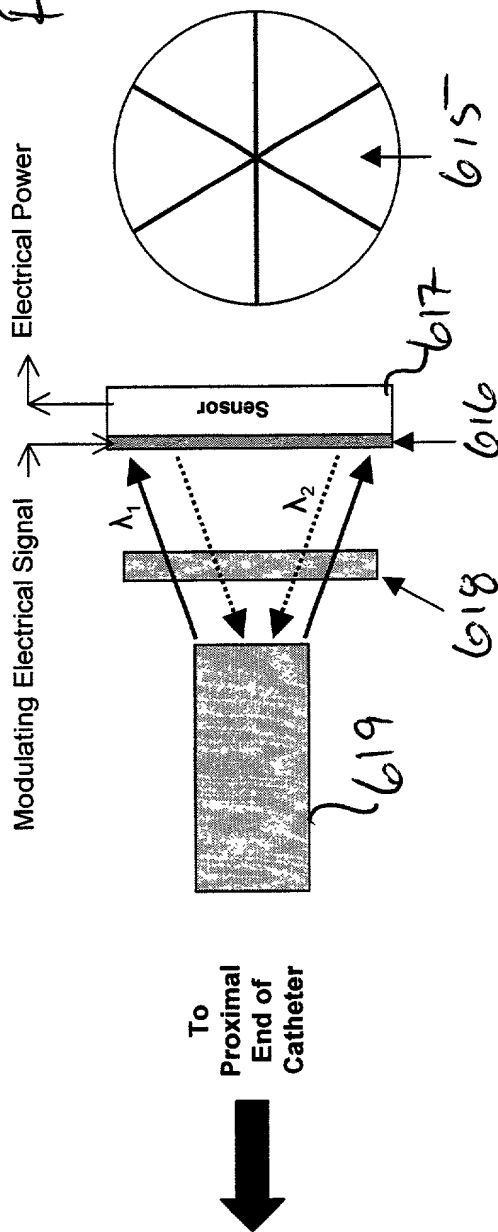
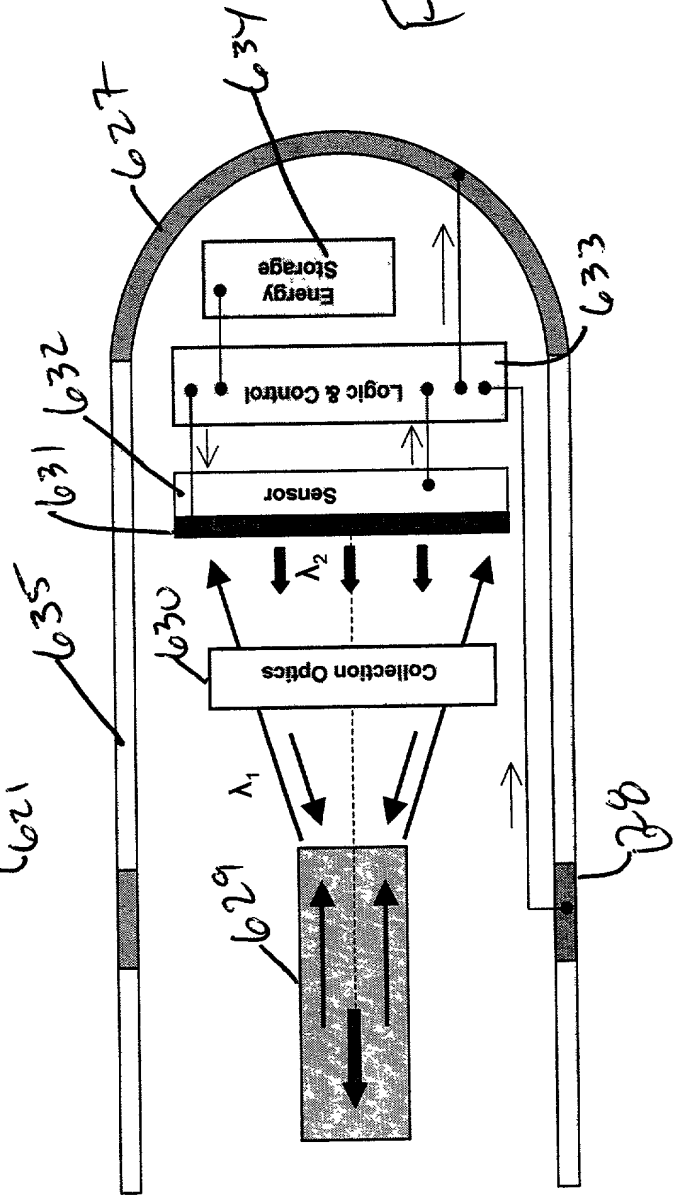
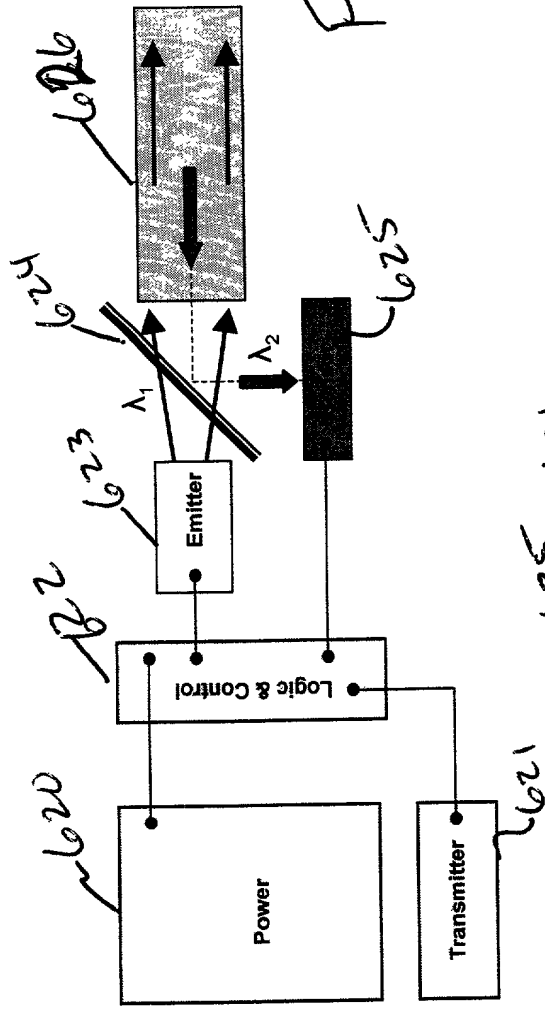


FIG 8







To Distal
End of
Catheter

Waveguide

Electrical Power In
(Pacing Pulse)

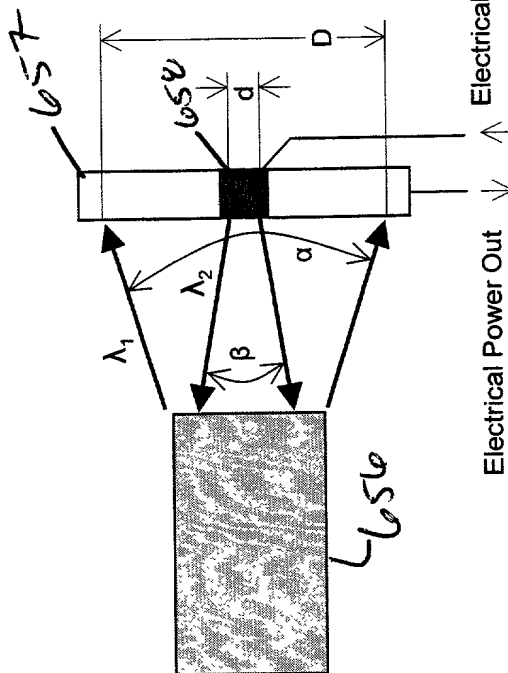
Electrical Power In
(Pacing Pulse)

FIG 13

Lens (Optional)

Electrical Signal Out

Electrical Signal Out

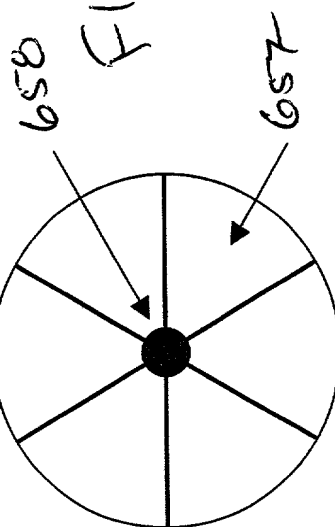


To Proximal
End of
Catheter



Electrical Signal In

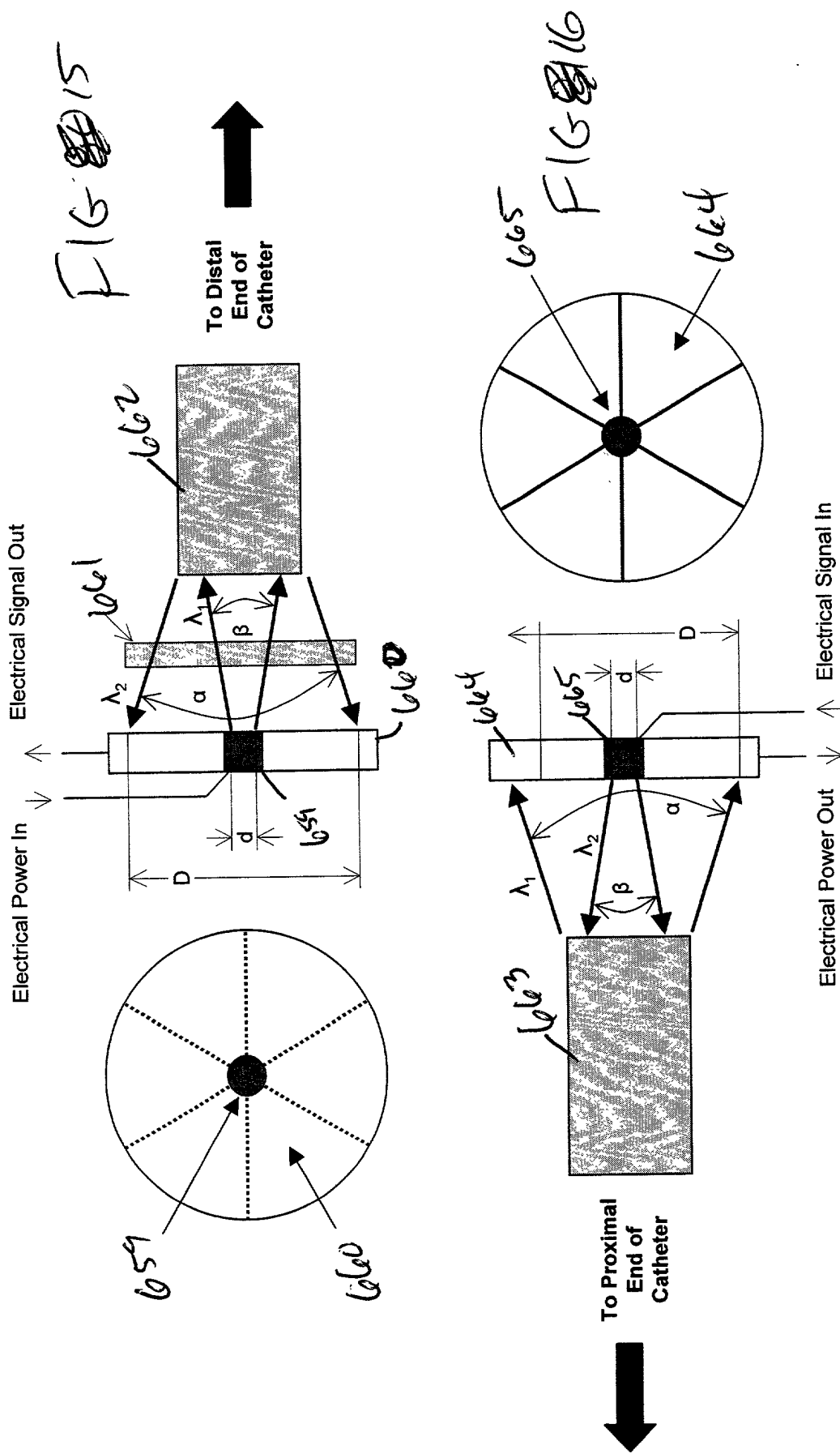
Electrical Power Out



658

FIG 14

657



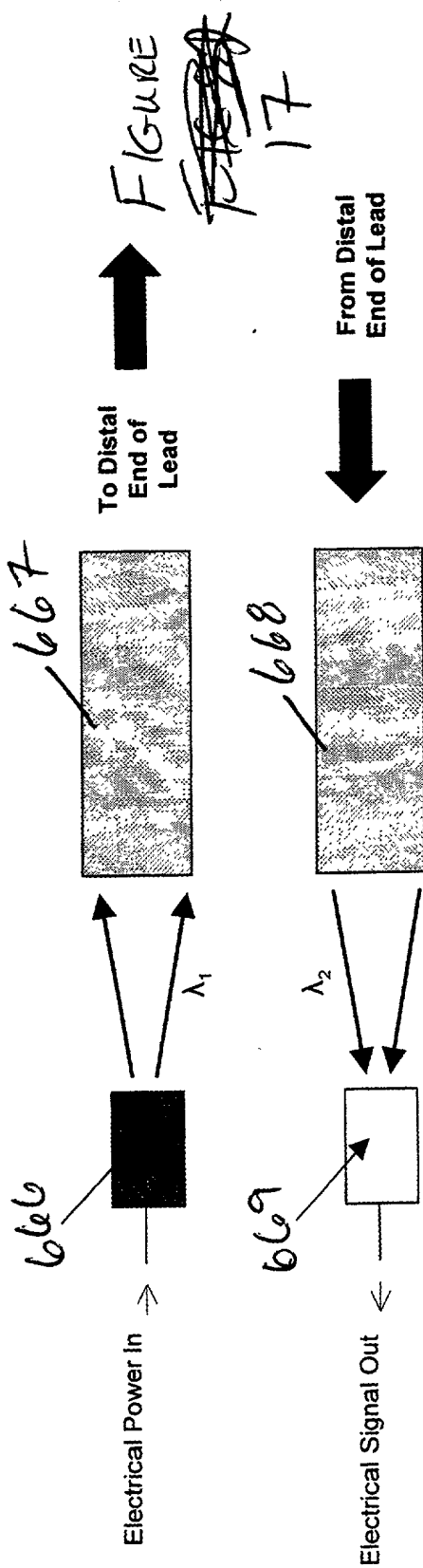


FIGURE
~~FIGURE~~
17

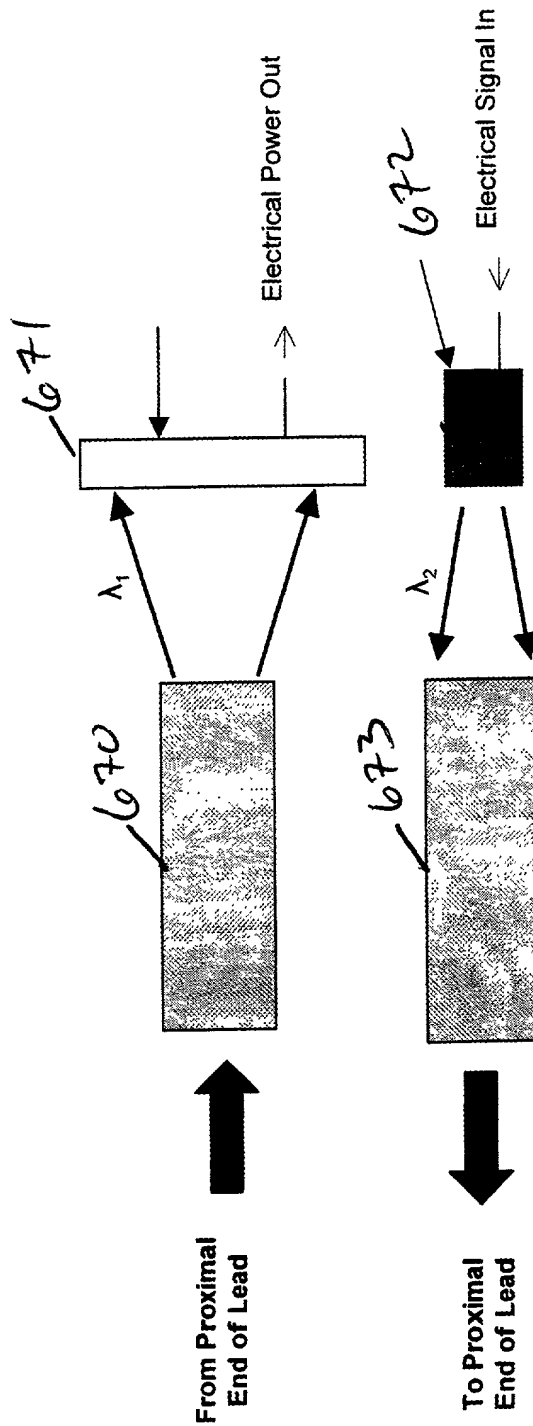
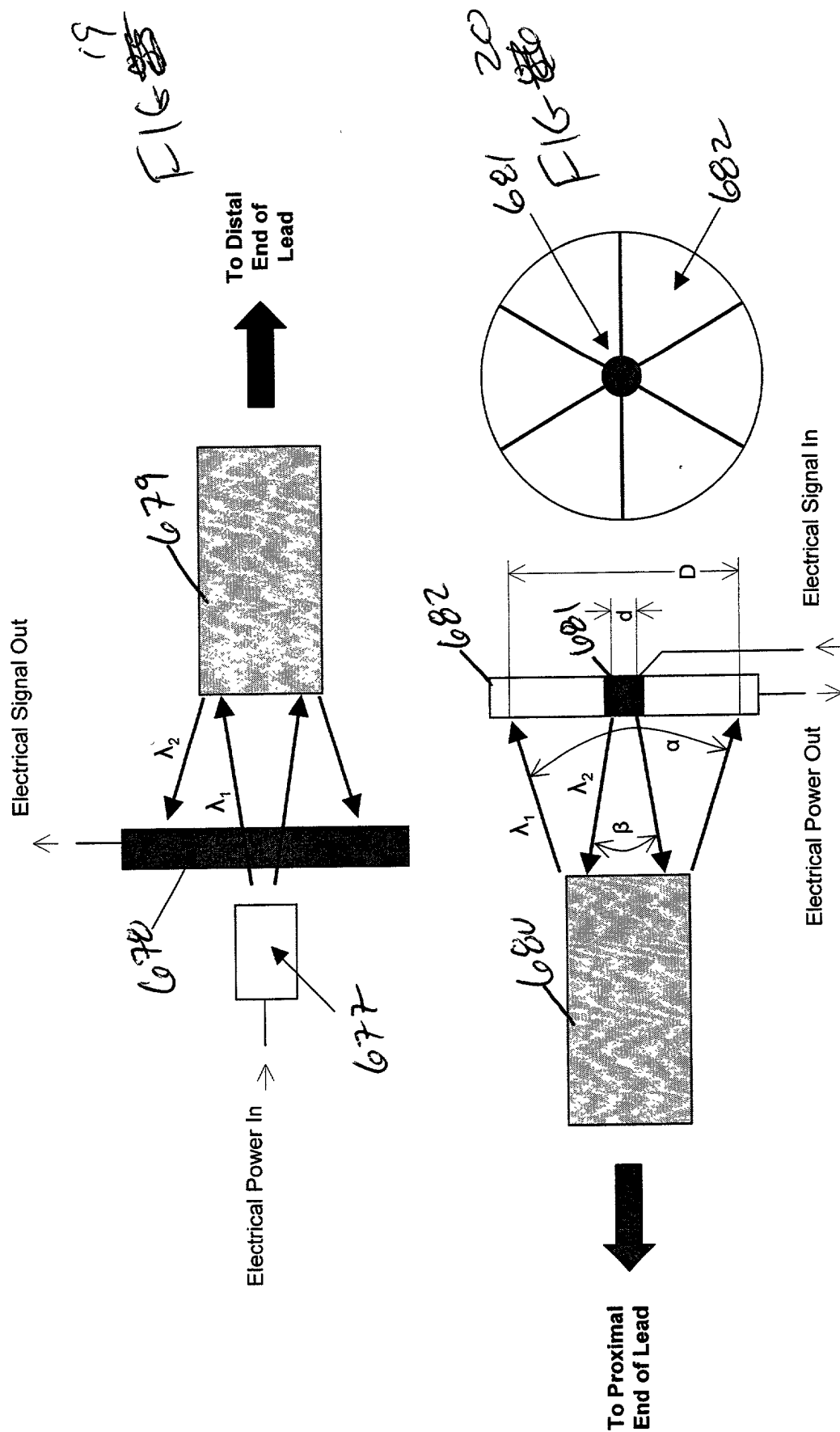


FIG
~~FIG~~
18



Fiber-optic coupling

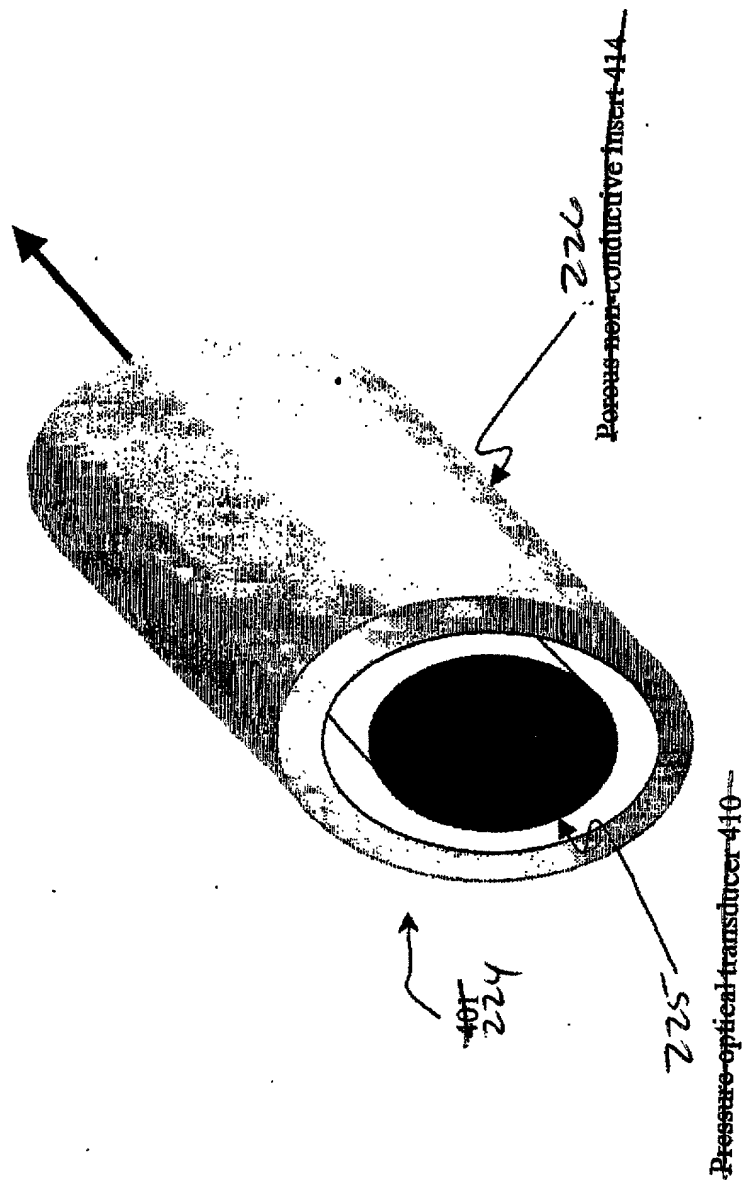


Fig. 21

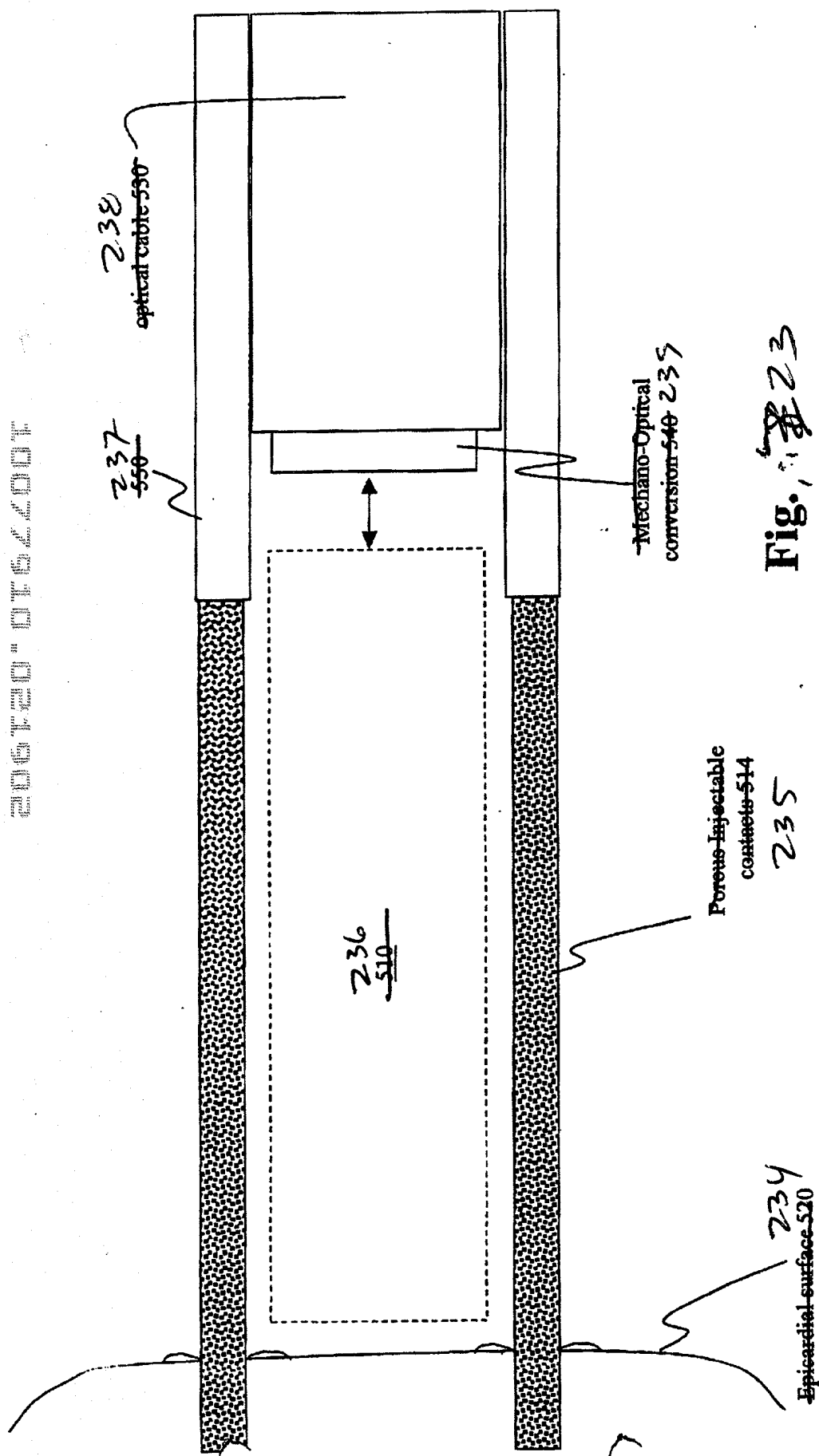
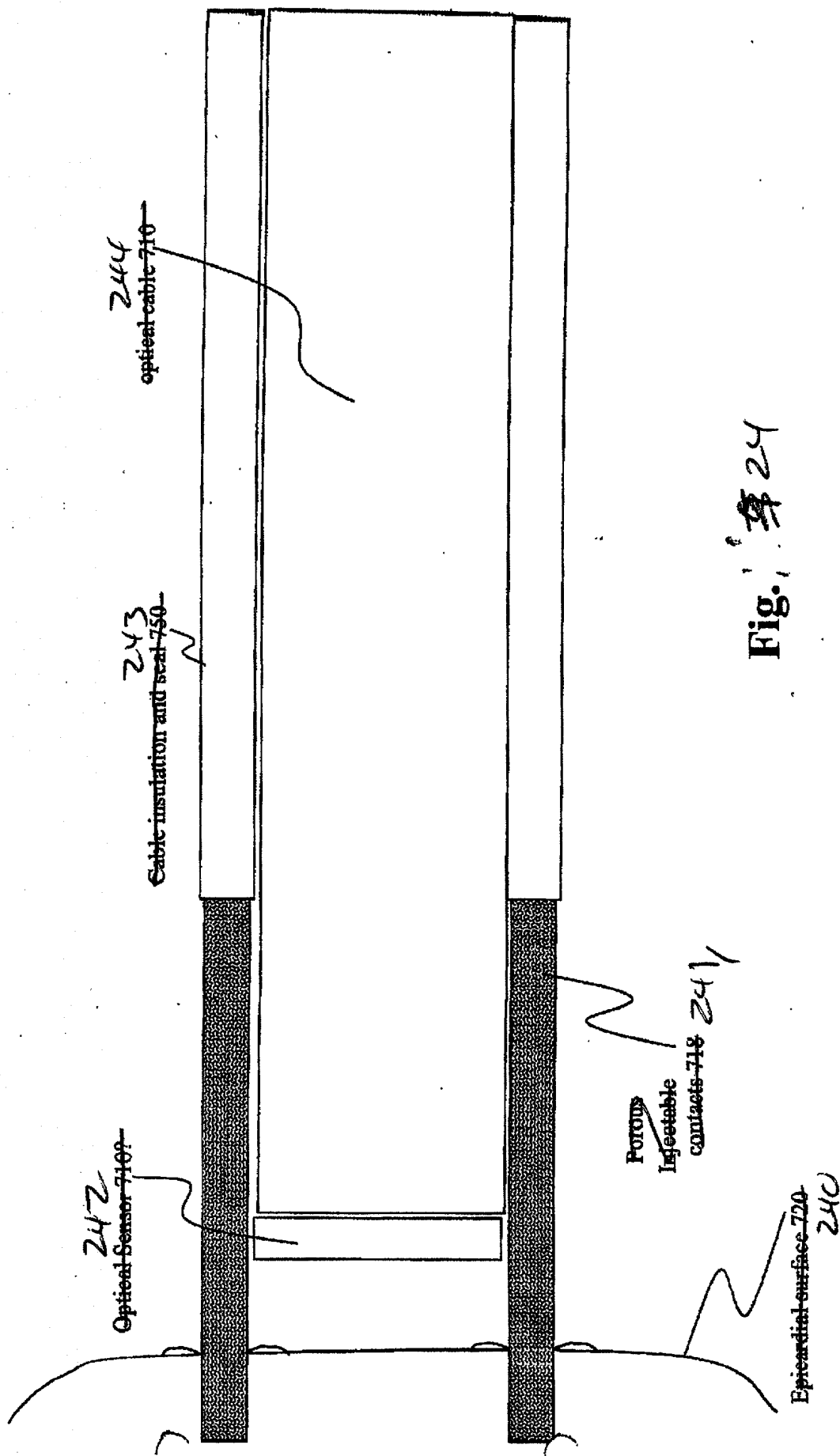


Fig. 23



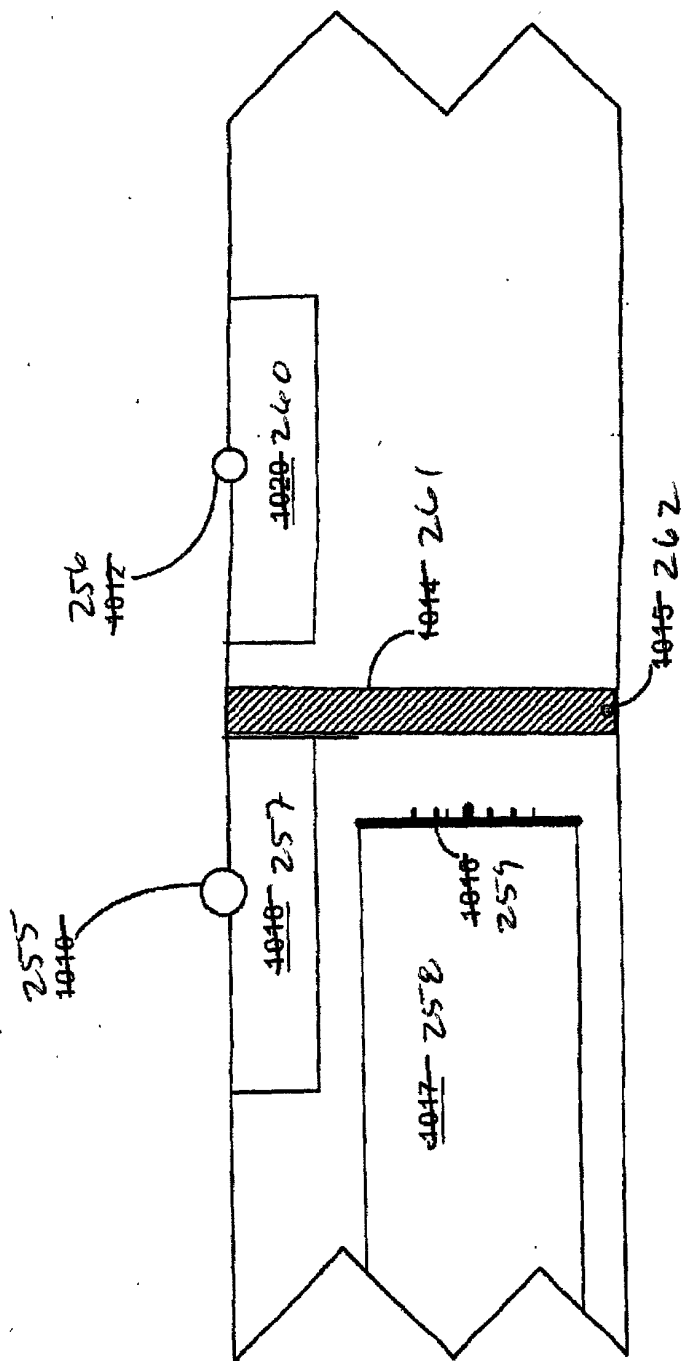


Fig. 26

#3

FIG 27

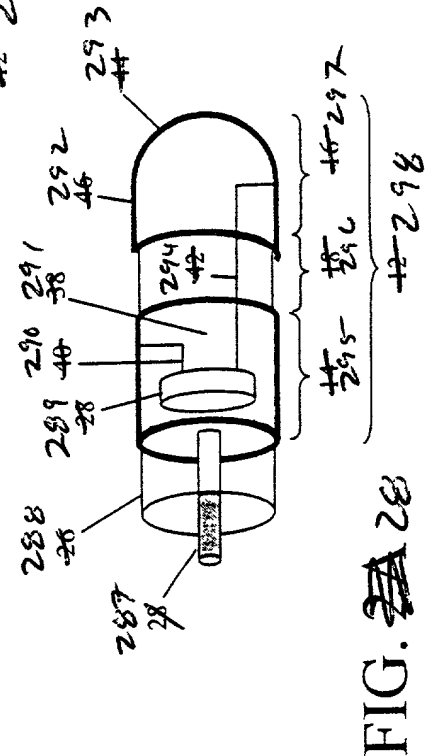
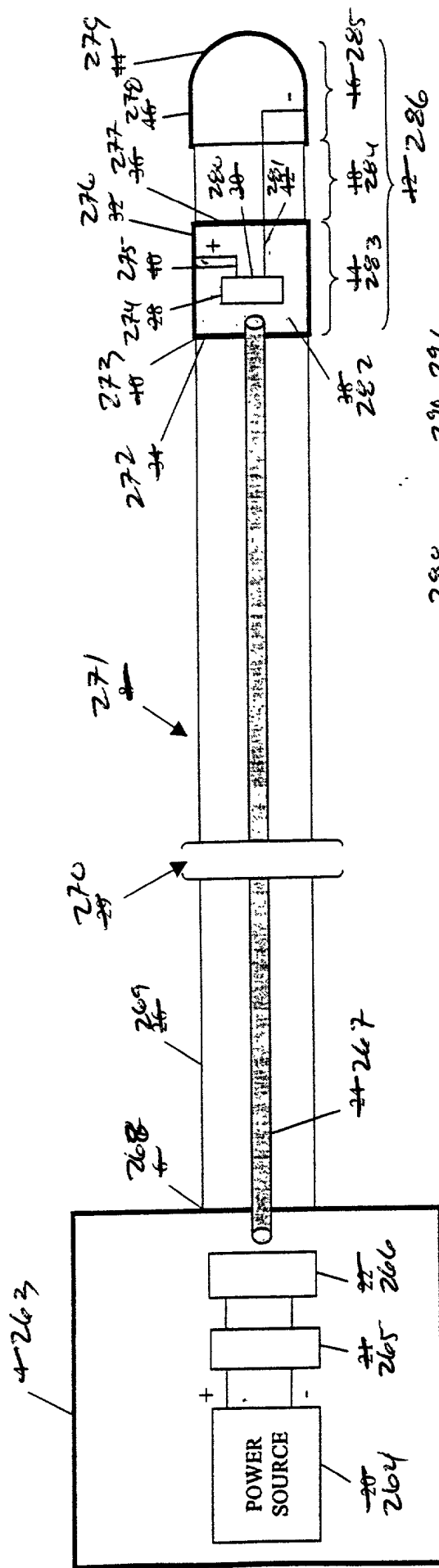


FIG. 28

FIG 2

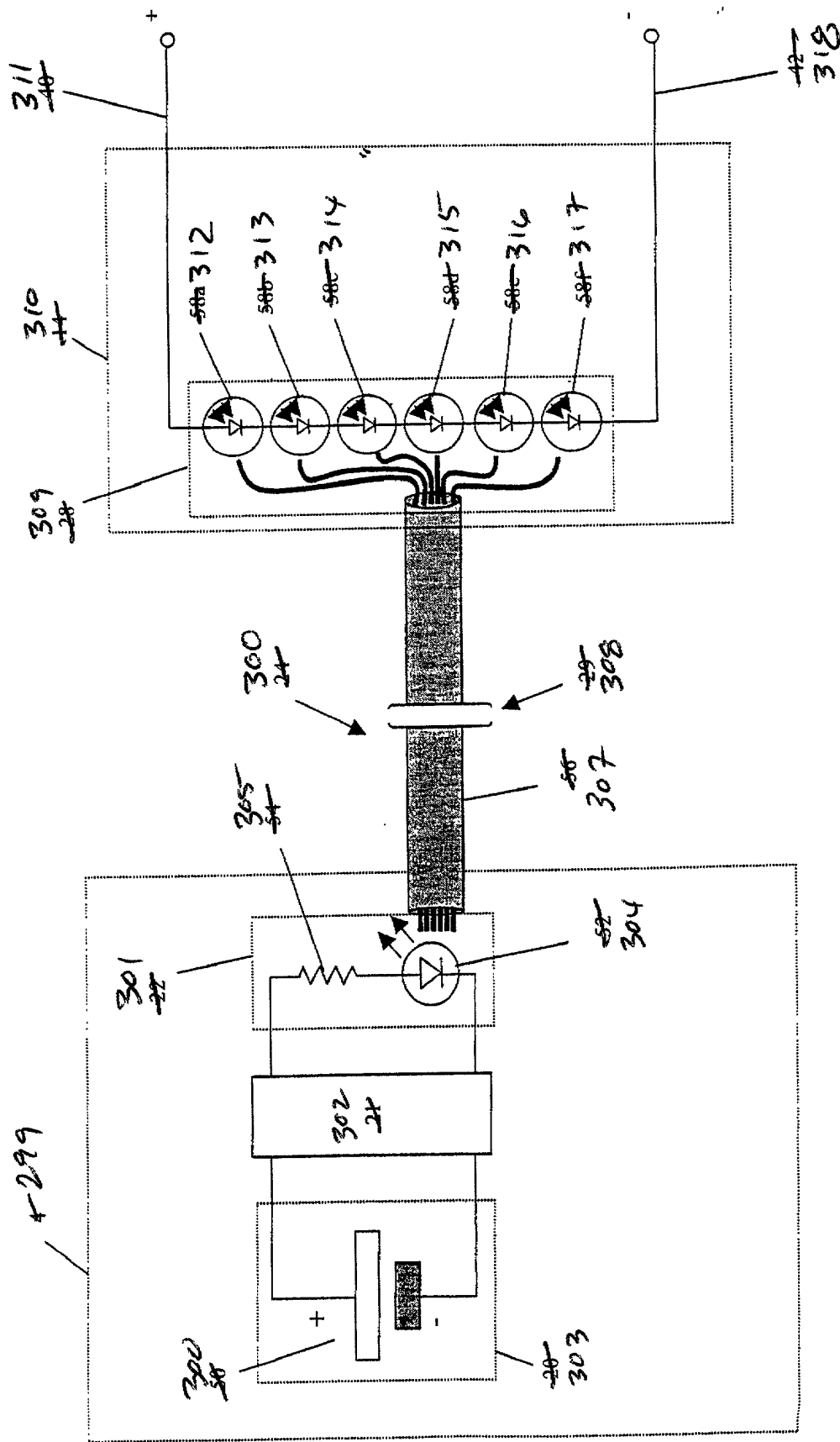


FIG. 29

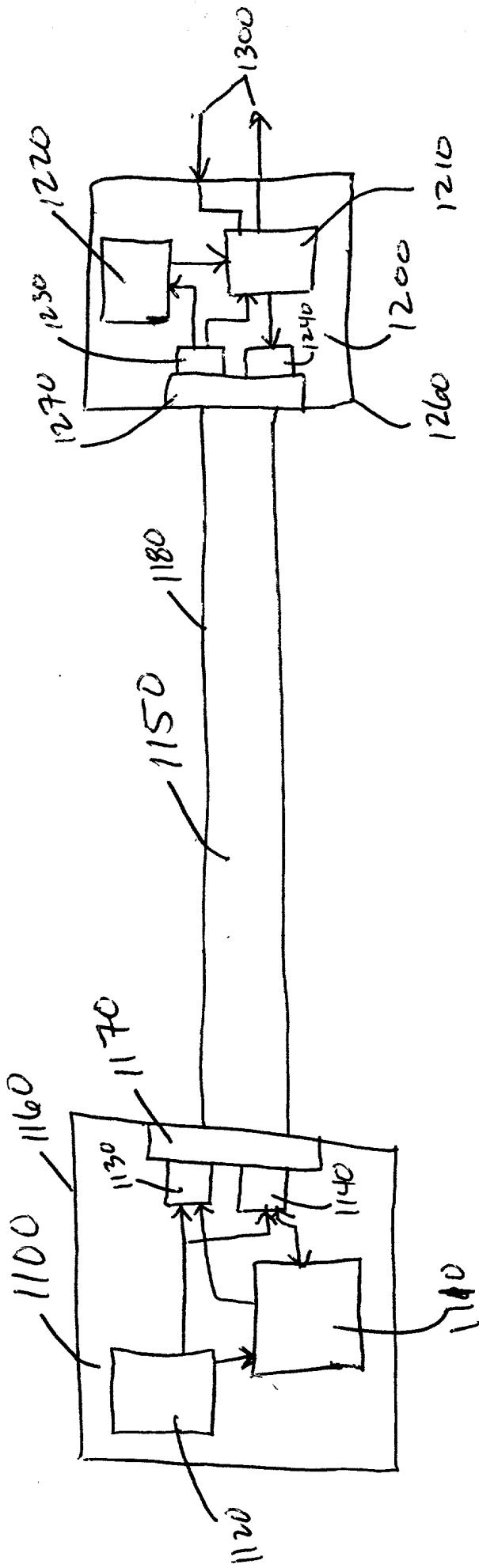


FIGURE 30

2025-07-20 09:16:00

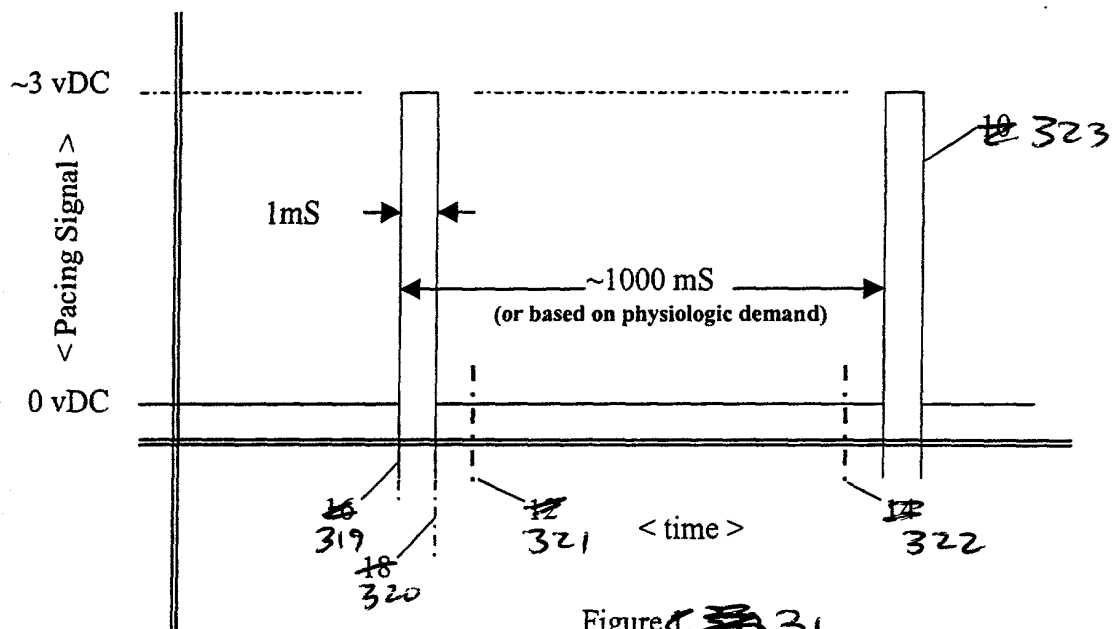


Figure 31

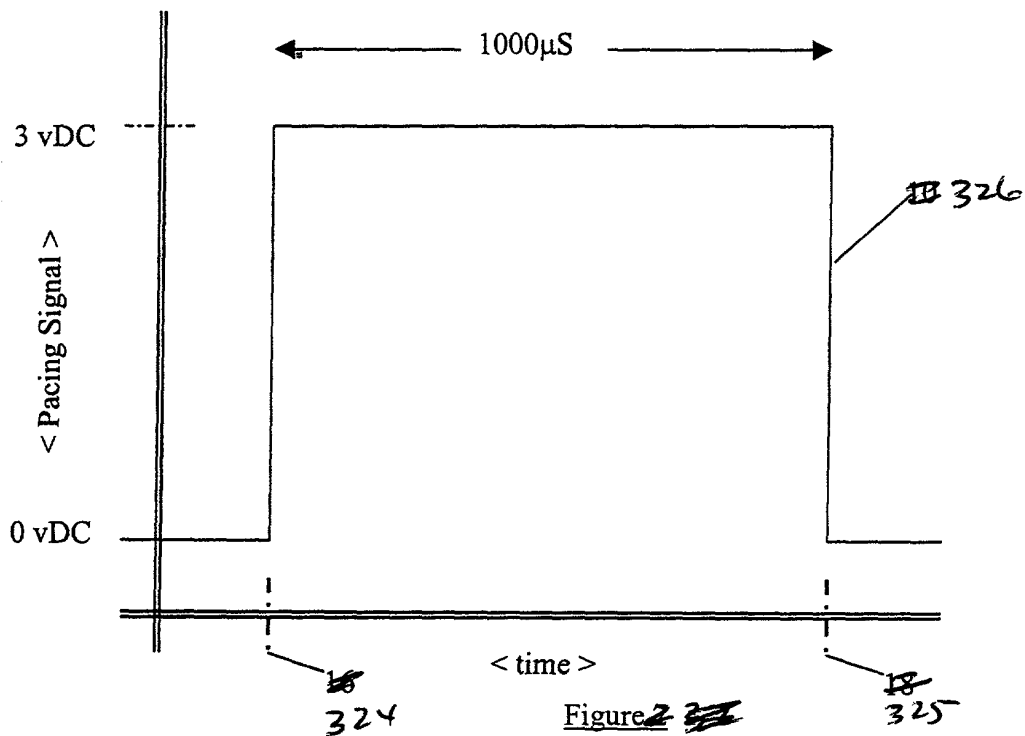


Figure 32



Figure ~~33~~ 33

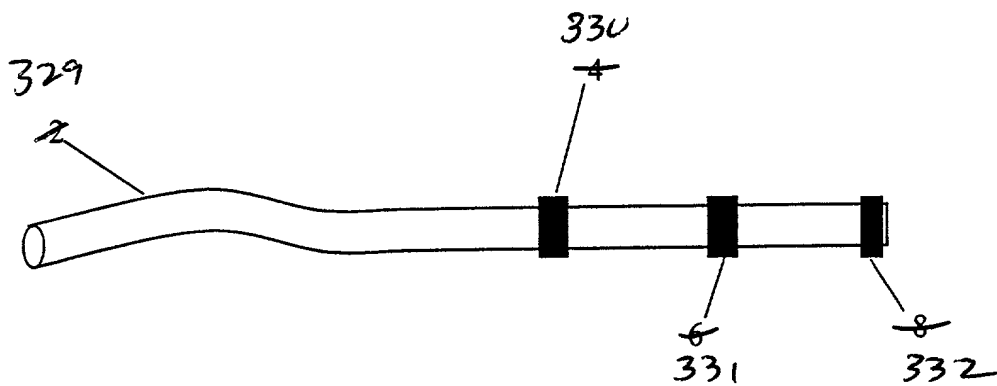


Figure ~~34~~ 34

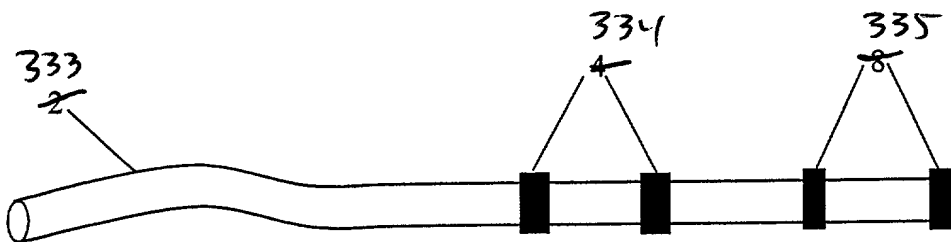


Figure ~~35~~ 35

206T20-01622001

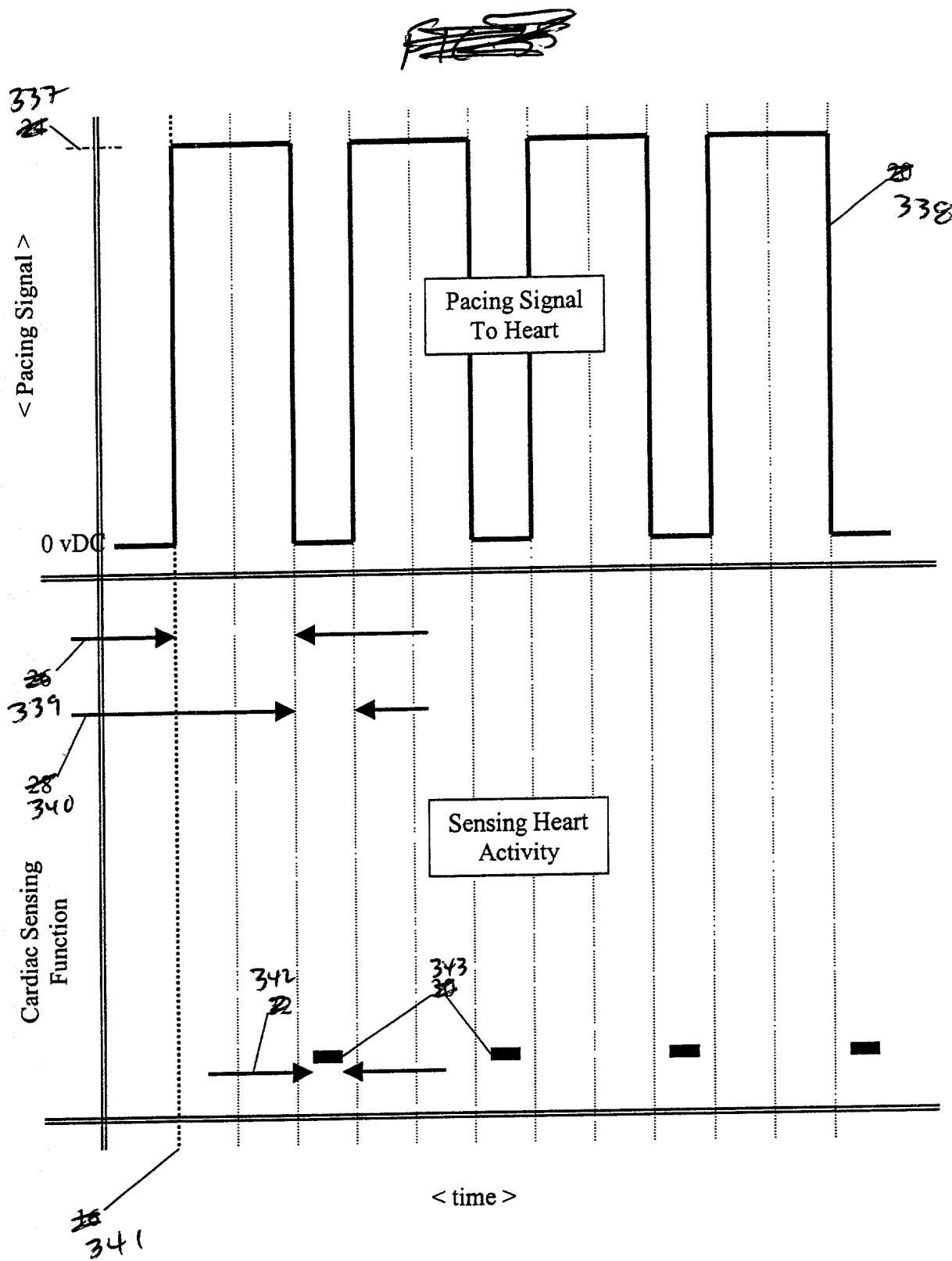


Figure ~~36~~ 36

Figure 37

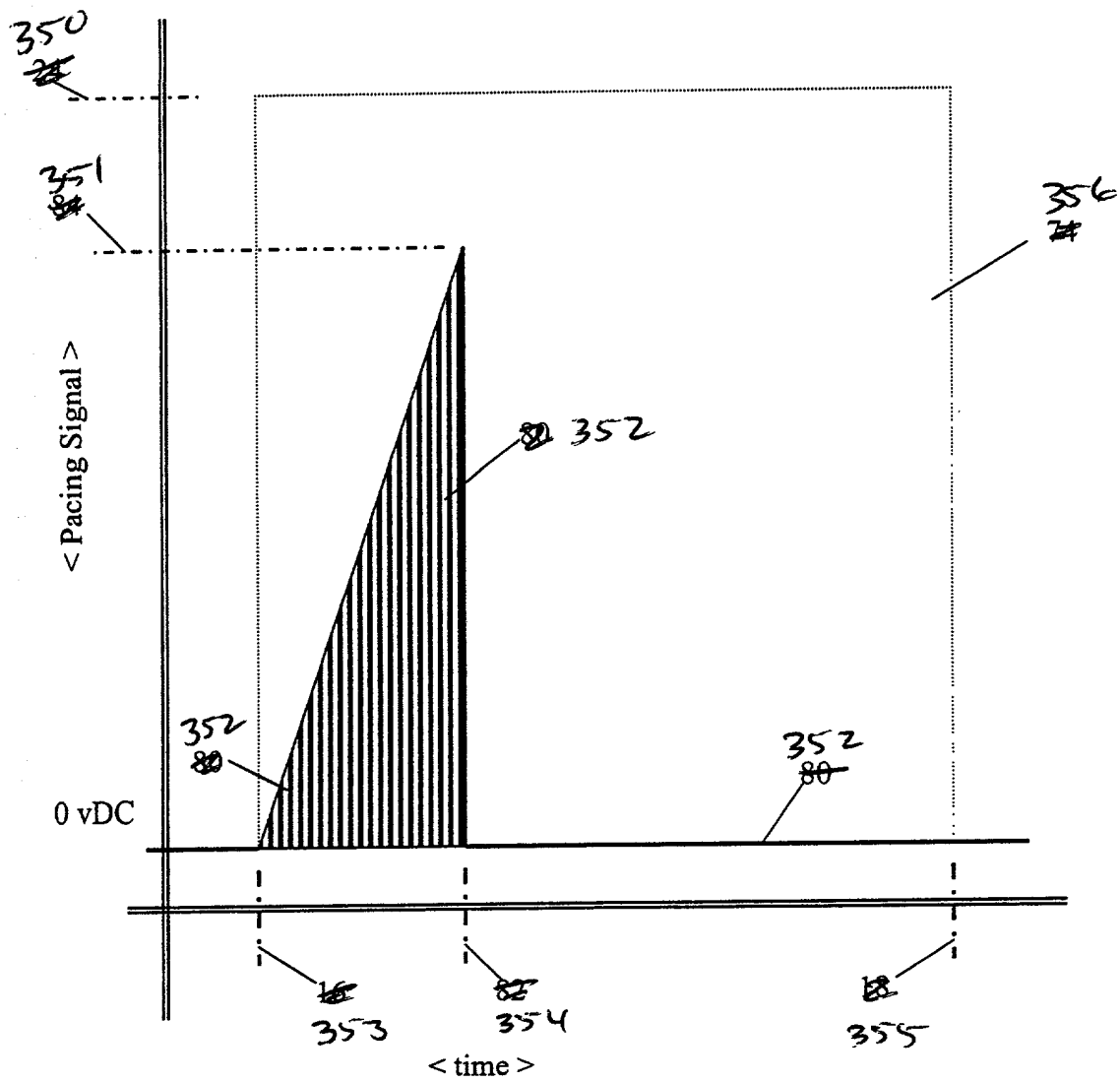


Figure 38

2025-07-10 09:19:02

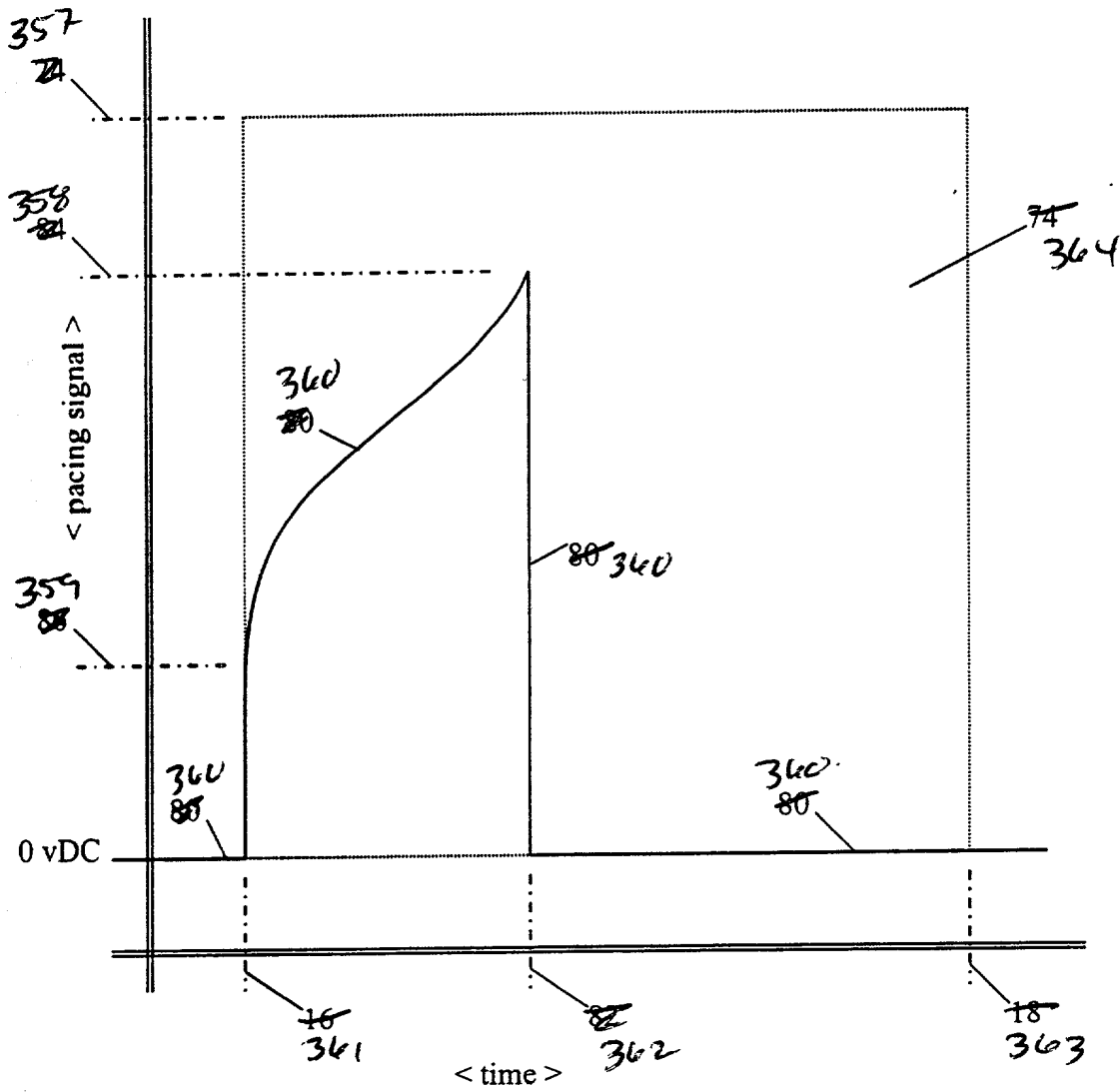
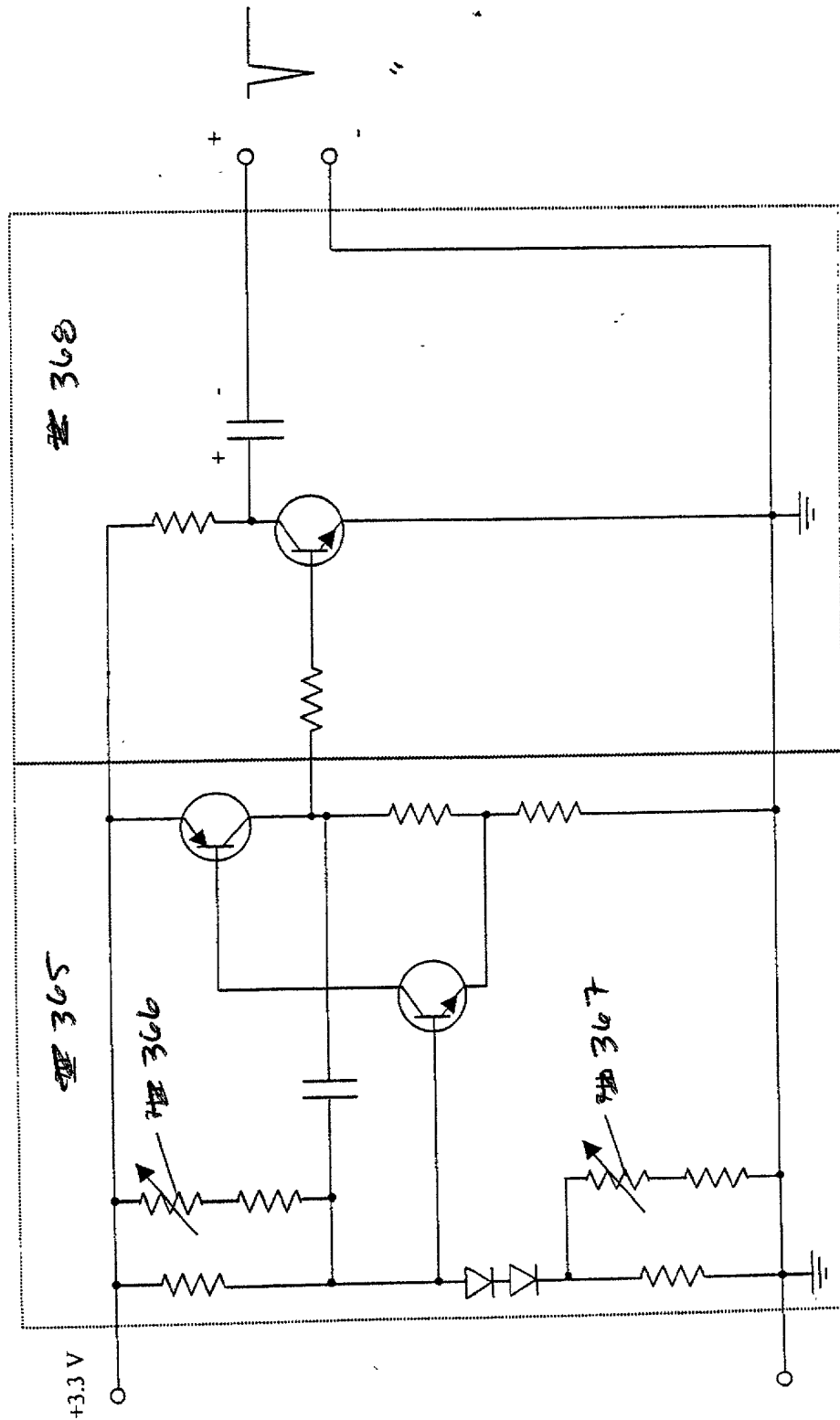
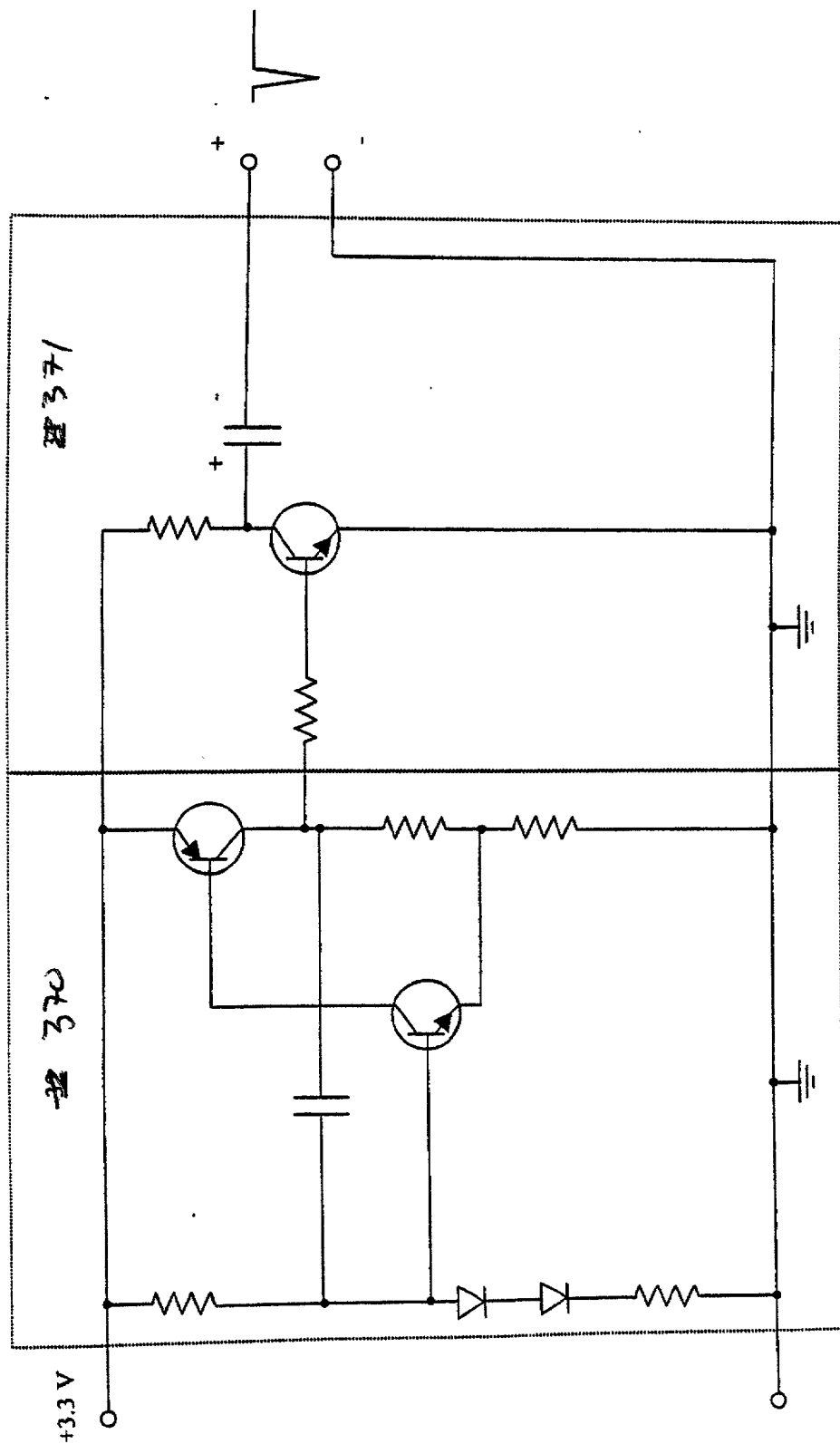


Figure 39



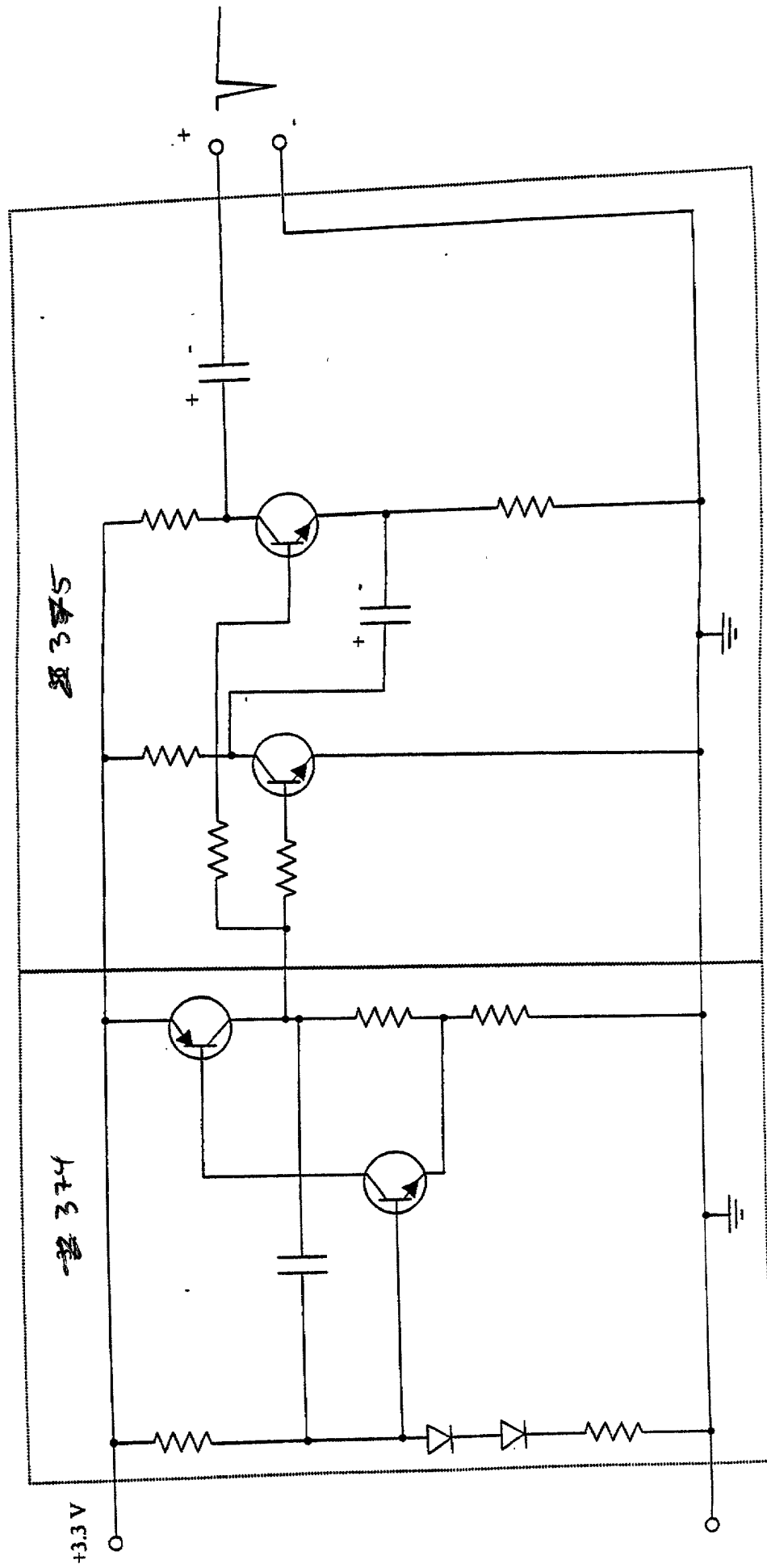
369

FIG. 40



372

FIG. 841



373

FIG. 442

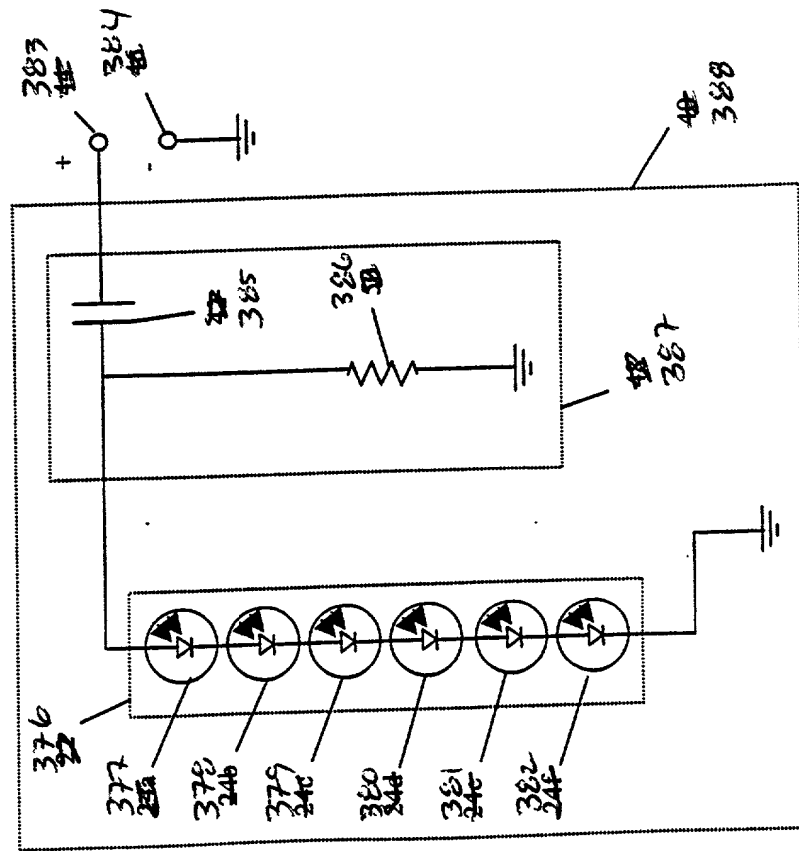


FIG. 843

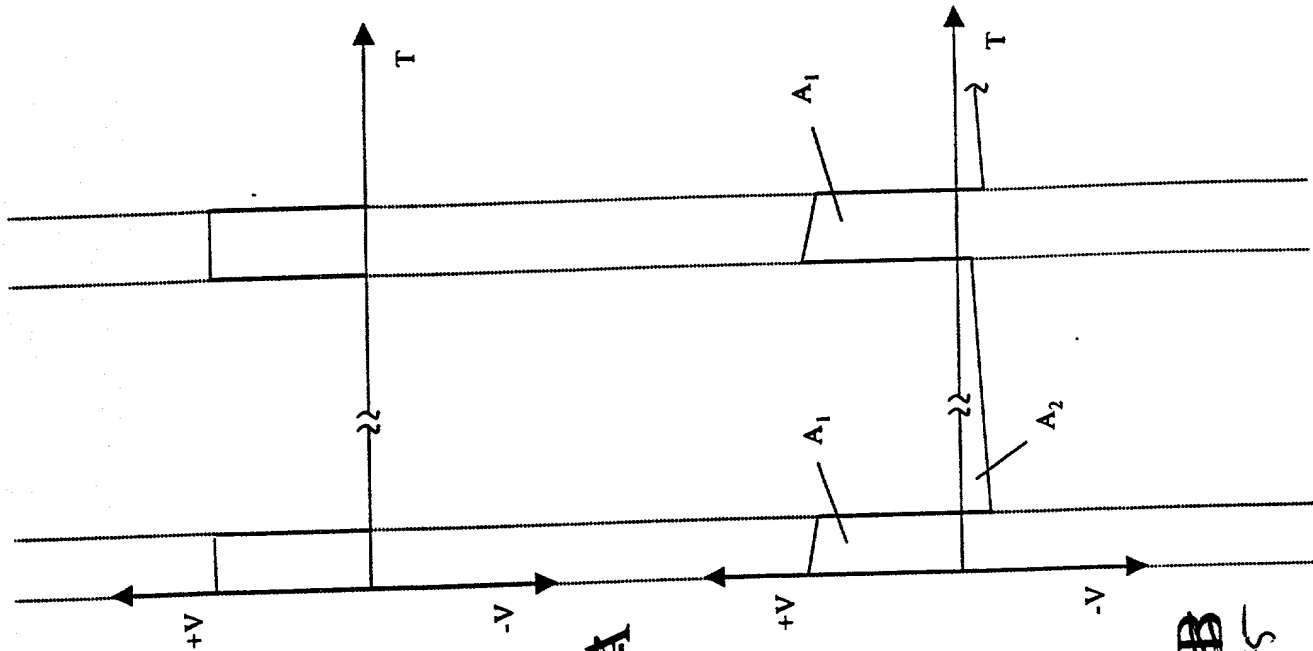


FIG. 6A

FIG. 6B

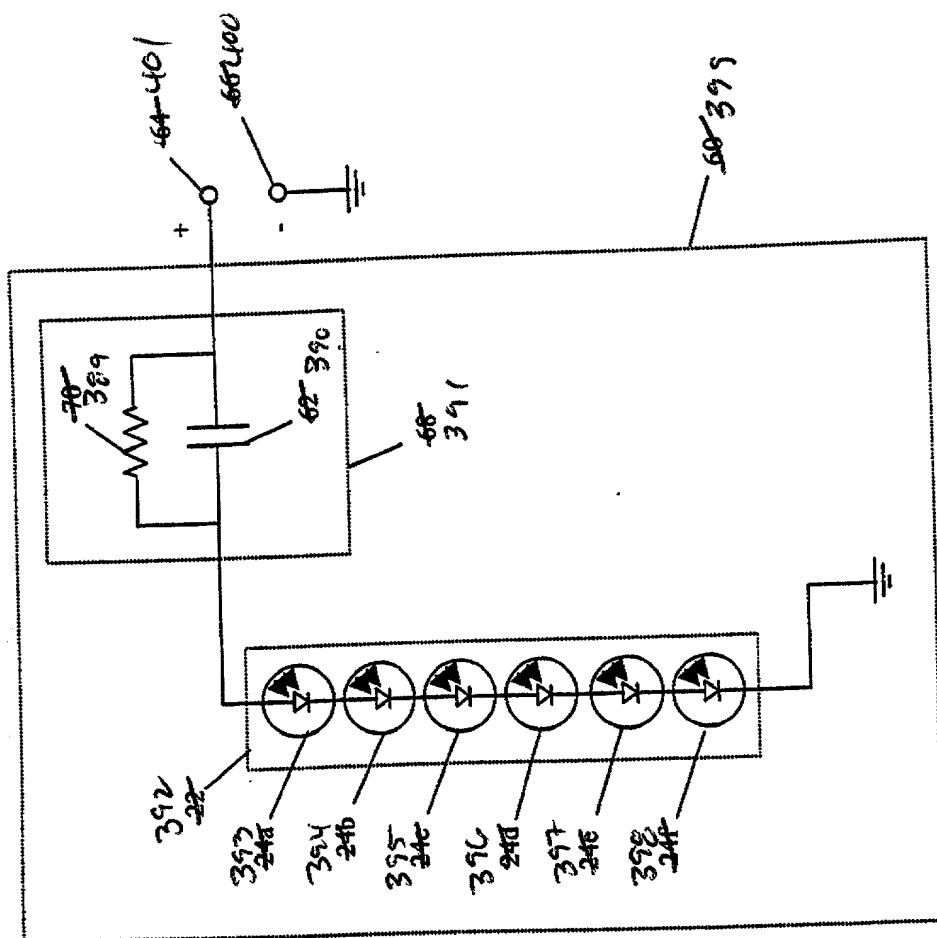


FIG. 340

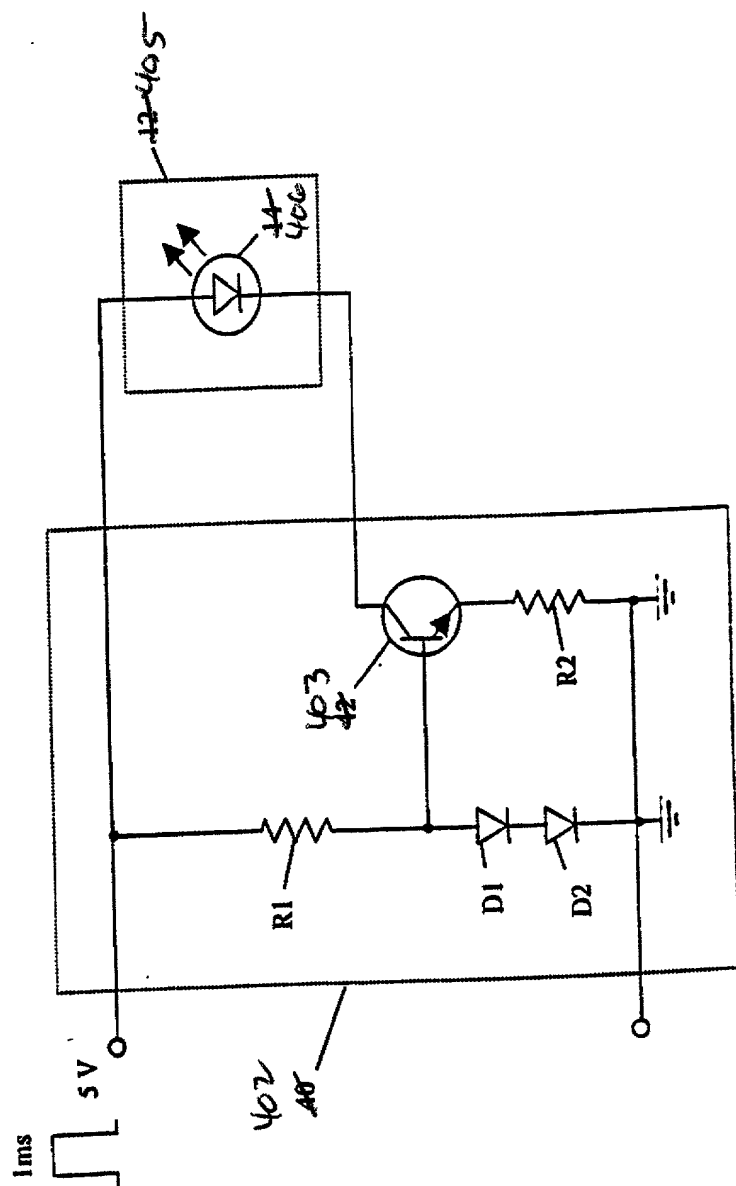


FIG. 4 47

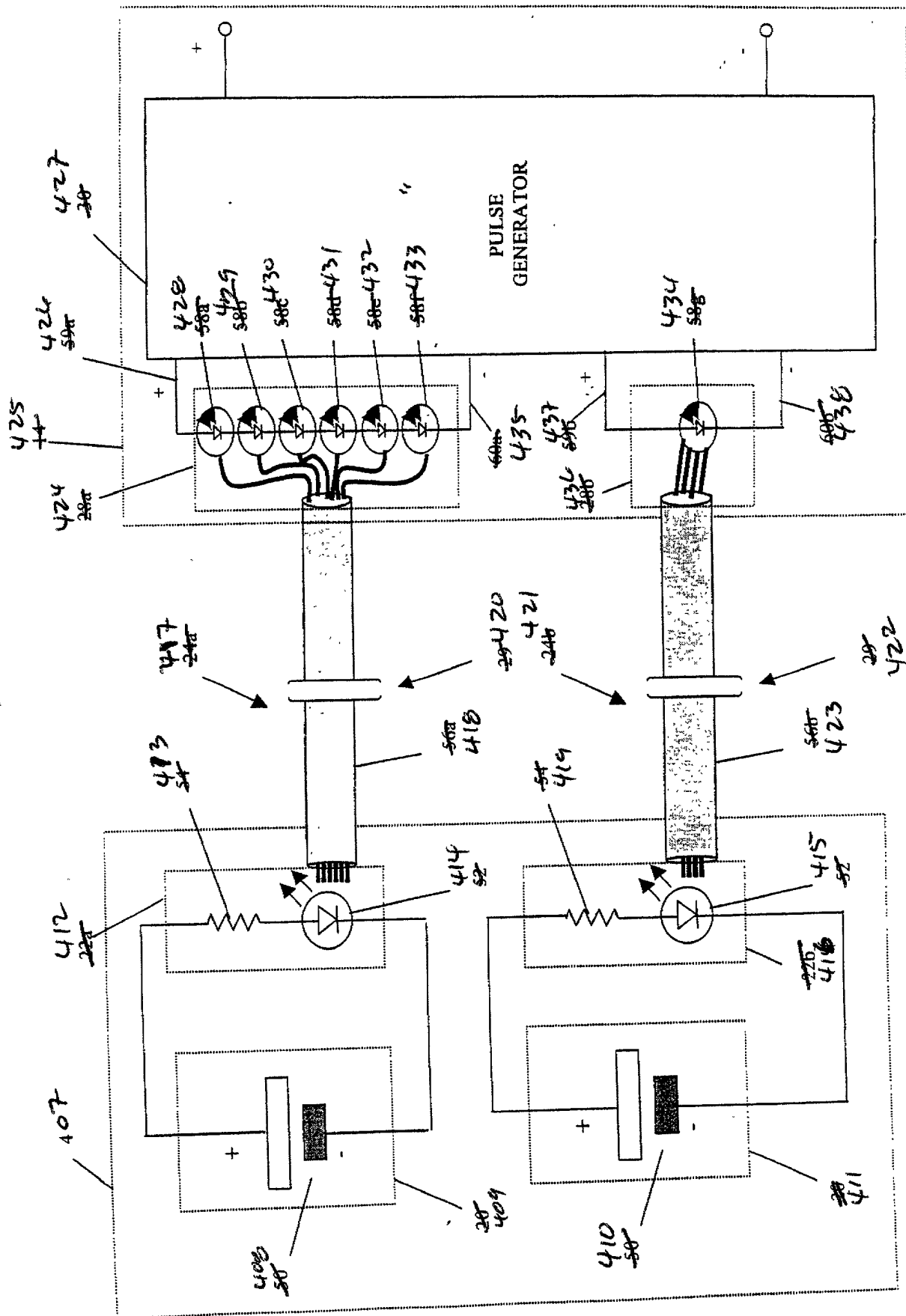


FIG. 348

5



30-439

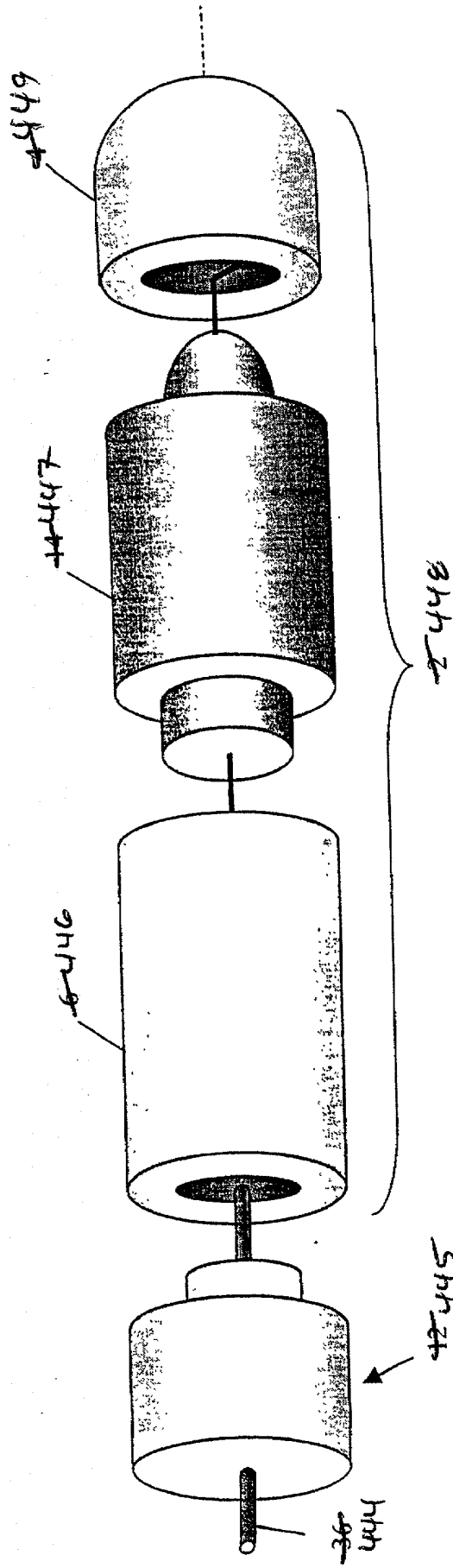


FIG. 250

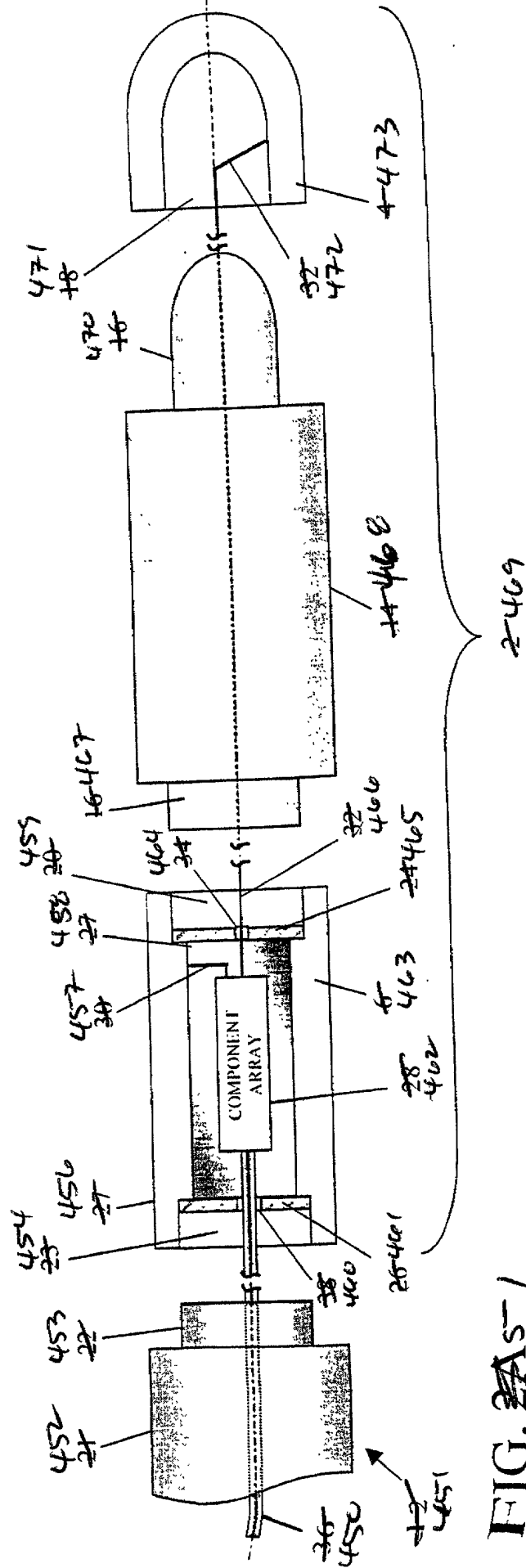


FIG. 251

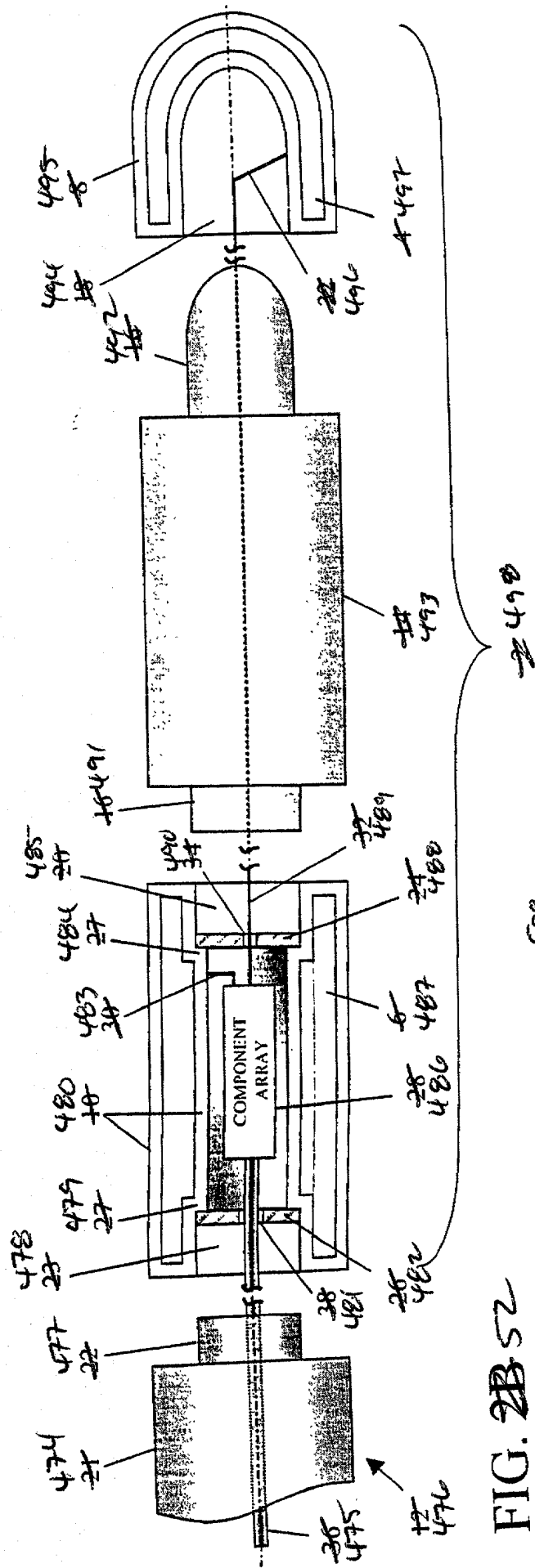


FIG. 2B 52

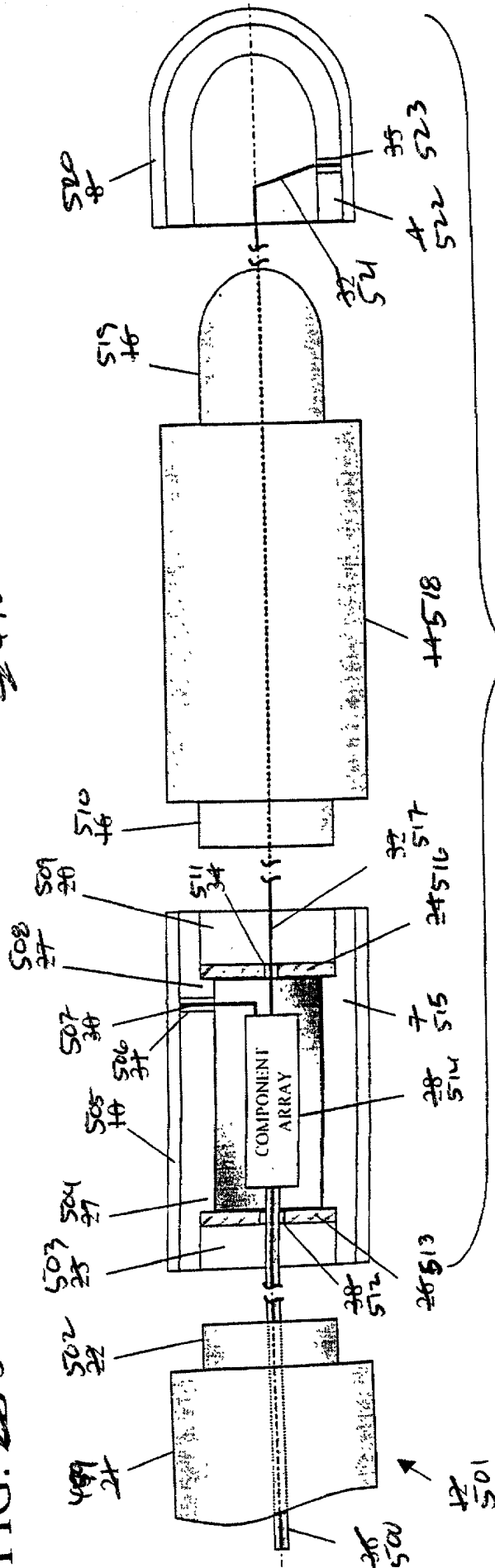


FIG. 2B 53

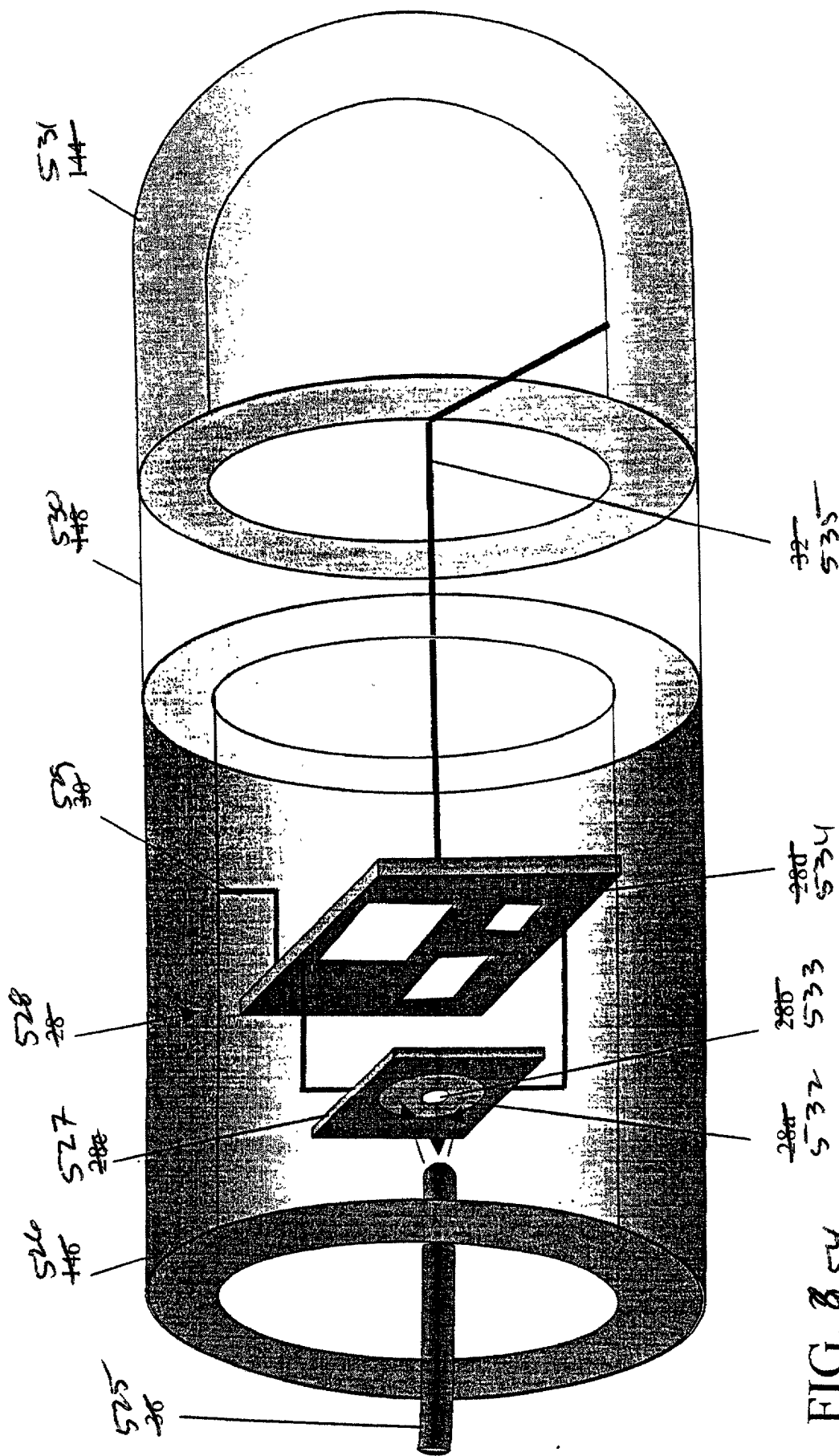


FIG. 8 54

538 146 206720" OF 2.000T 14539

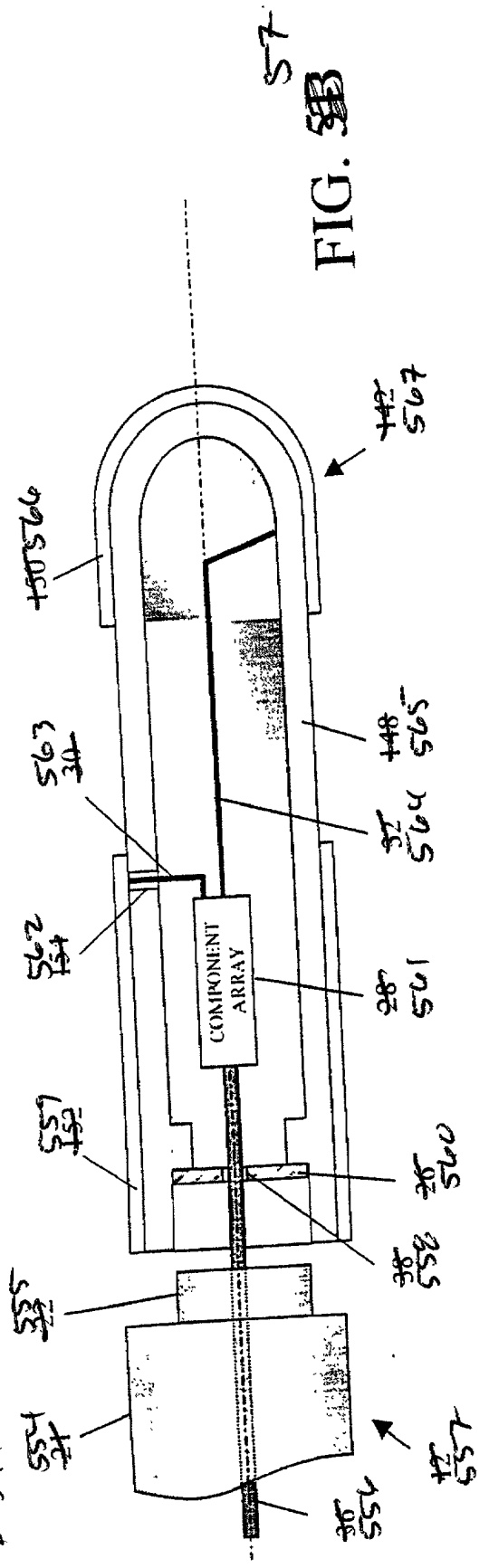
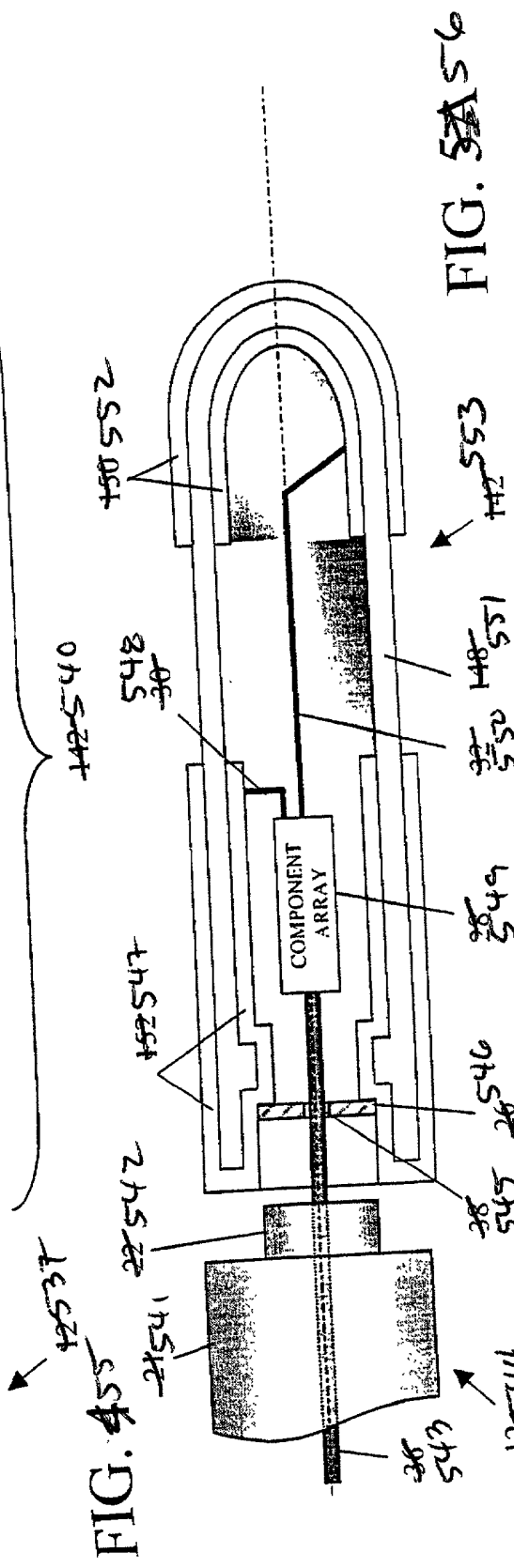
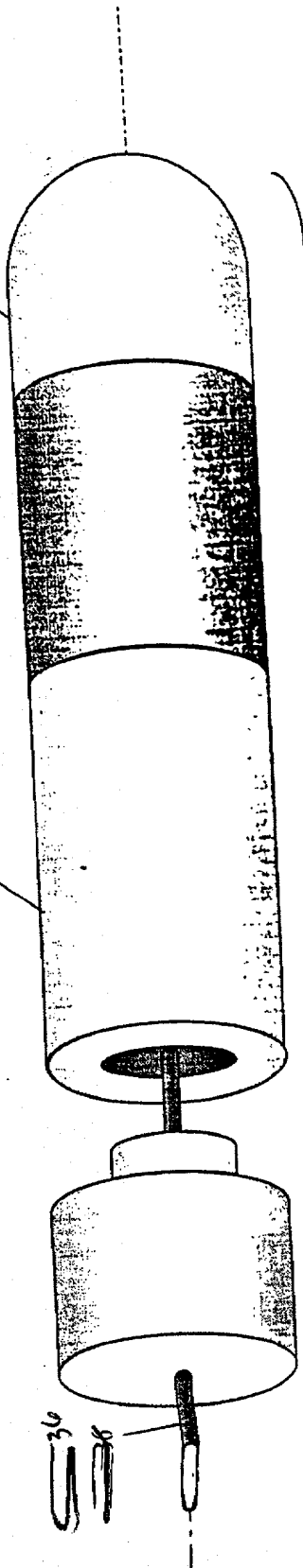


Figure 1 consists of 12 sub-graphs labeled (a) through (l), each showing the growth of *E. coli* O157:H7 in ground beef under different conditions. The y-axis for all graphs is \log_{10} CFU/g, ranging from 0 to 10. The x-axis is time in hours, ranging from 0 to 24. The graphs show various growth curves, including control, different temperatures, and different pH levels.

- (a) Control: Shows a steady increase in CFU/g over time, reaching approximately 10 CFU/g by 24 hours.
- (b) 4°C: Shows a very slow increase in CFU/g, reaching approximately 1 CFU/g by 24 hours.
- (c) 10°C: Shows a slow increase in CFU/g, reaching approximately 2 CFU/g by 24 hours.
- (d) 15°C: Shows a moderate increase in CFU/g, reaching approximately 4 CFU/g by 24 hours.
- (e) 20°C: Shows a rapid increase in CFU/g, reaching approximately 8 CFU/g by 24 hours.
- (f) 25°C: Shows a very rapid increase in CFU/g, reaching approximately 10 CFU/g by 12 hours.
- (g) 30°C: Shows a very rapid increase in CFU/g, reaching approximately 10 CFU/g by 6 hours.
- (h) 35°C: Shows a very rapid increase in CFU/g, reaching approximately 10 CFU/g by 4 hours.
- (i) 40°C: Shows a very rapid increase in CFU/g, reaching approximately 10 CFU/g by 2 hours.
- (j) 45°C: Shows a very rapid increase in CFU/g, reaching approximately 10 CFU/g by 1 hour.
- (k) 50°C: Shows a very rapid increase in CFU/g, reaching approximately 10 CFU/g by 0.5 hours.
- (l) 55°C: Shows a very rapid increase in CFU/g, reaching approximately 10 CFU/g by 0.25 hours.

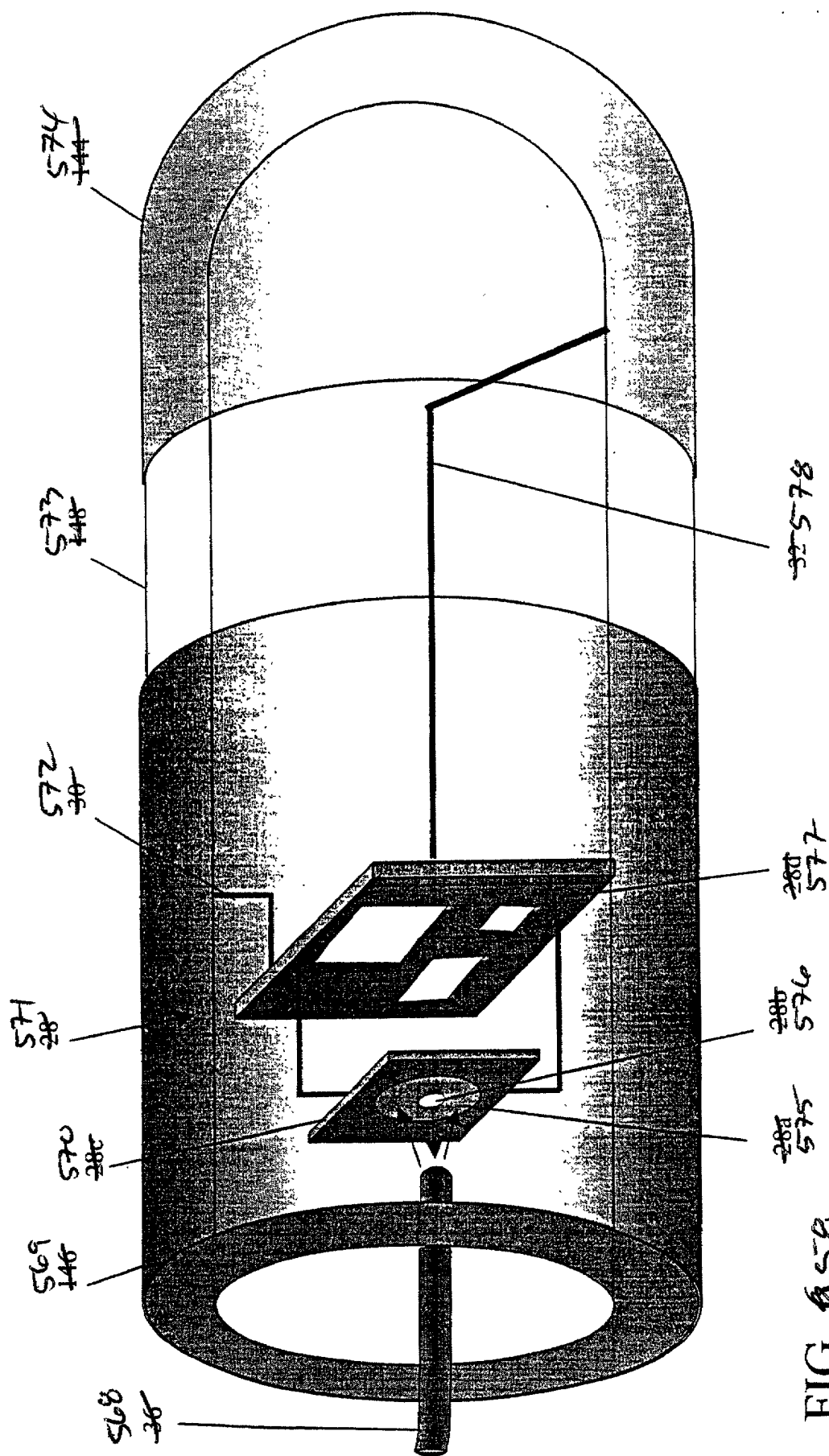


FIG. 8-58

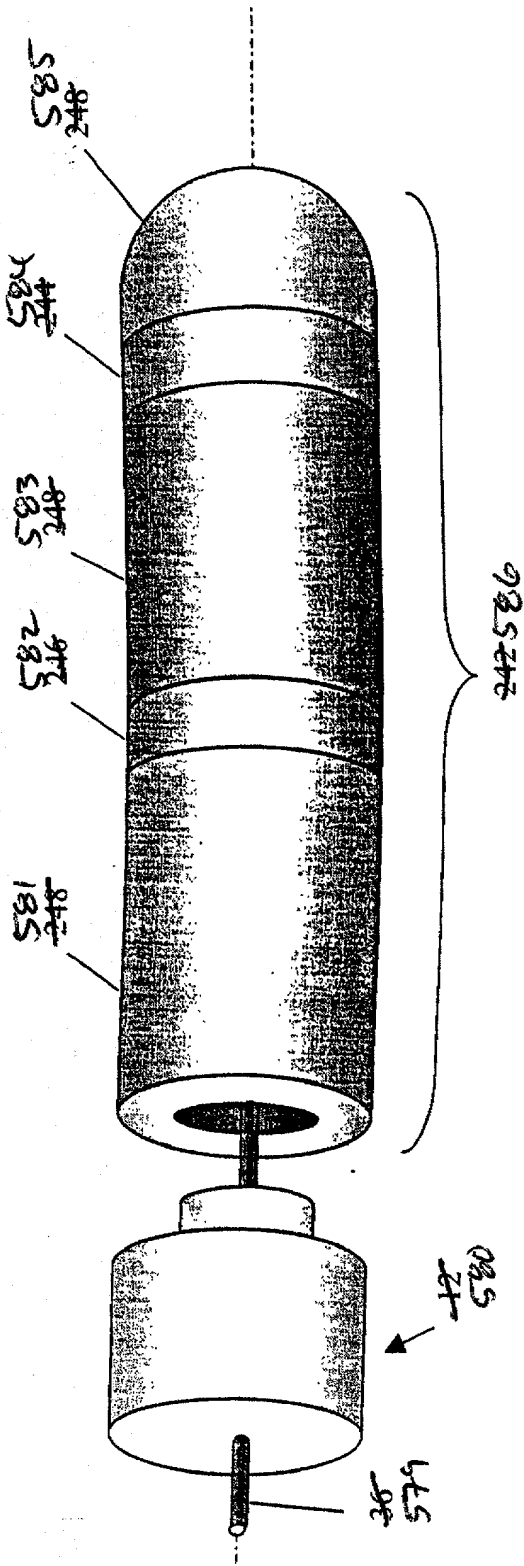


FIG. 259

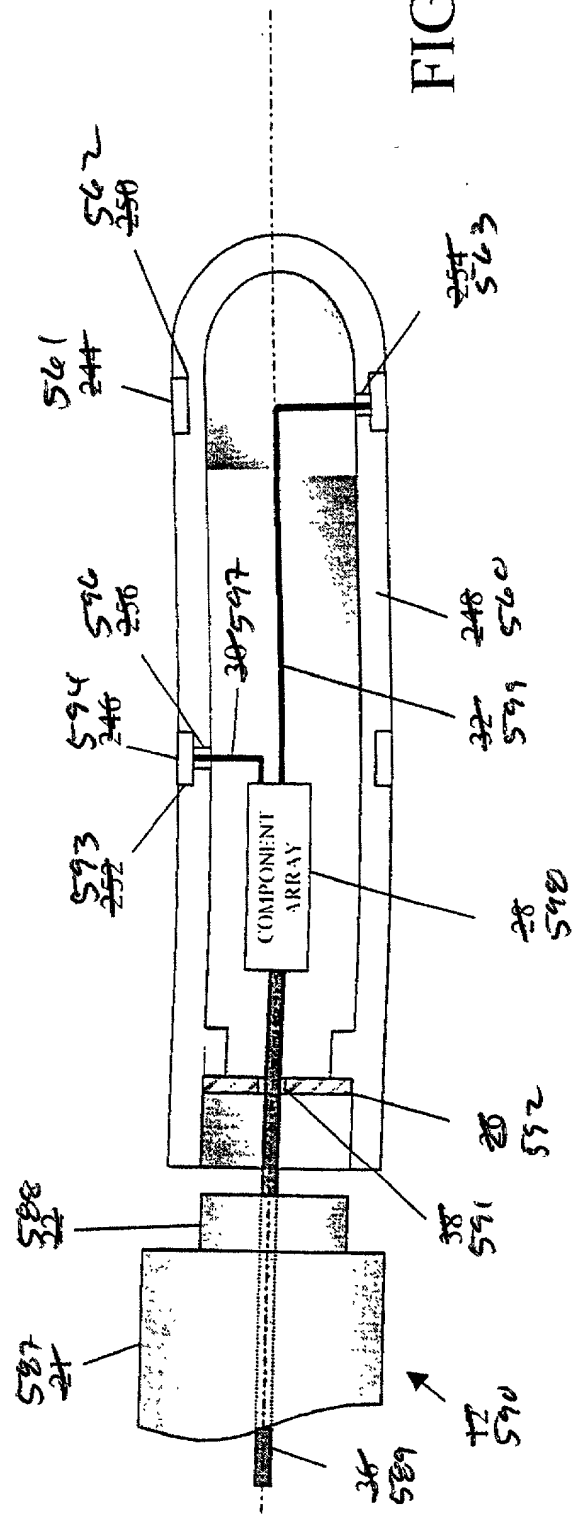


FIG. 260

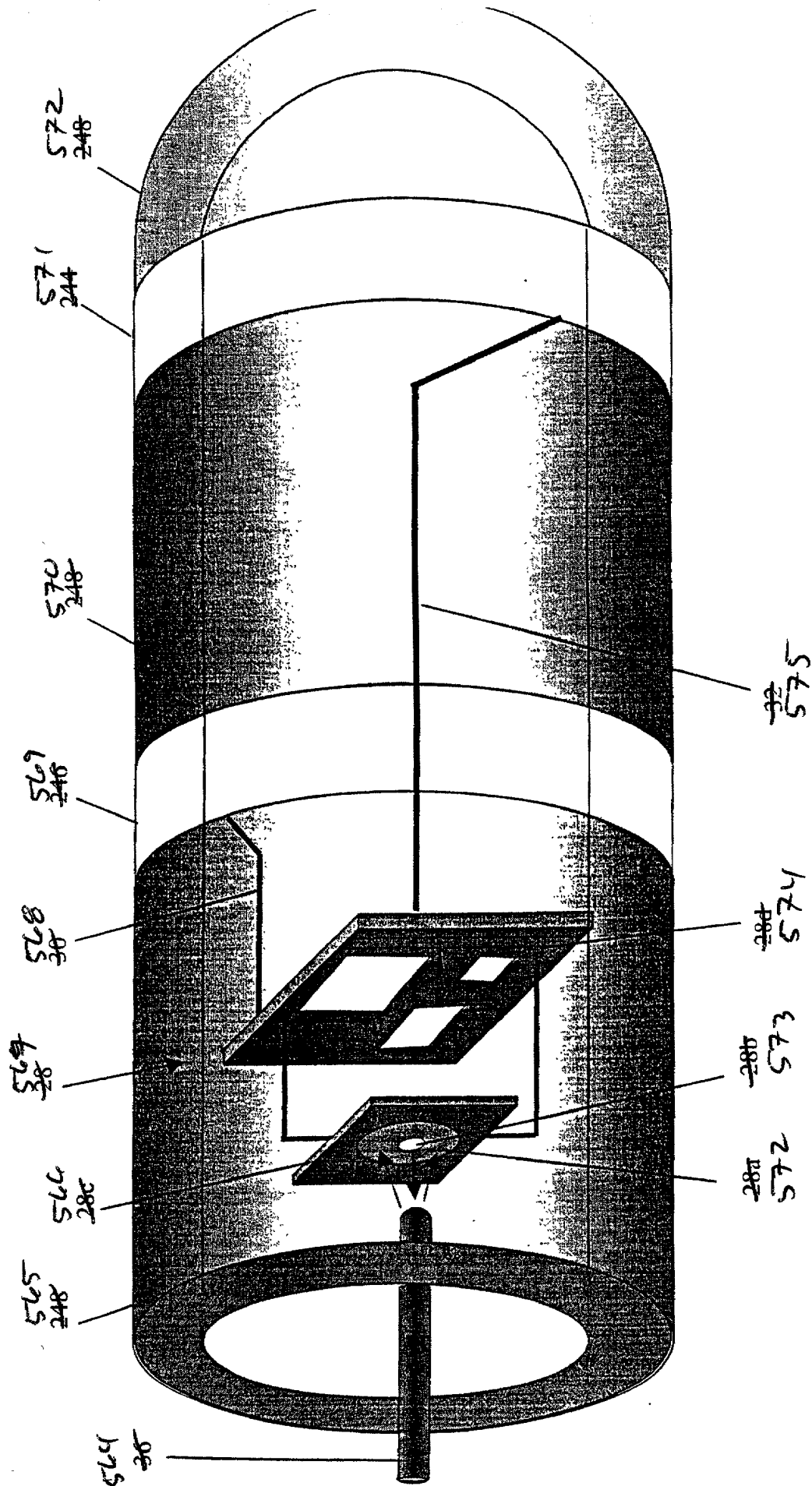


FIG. 261

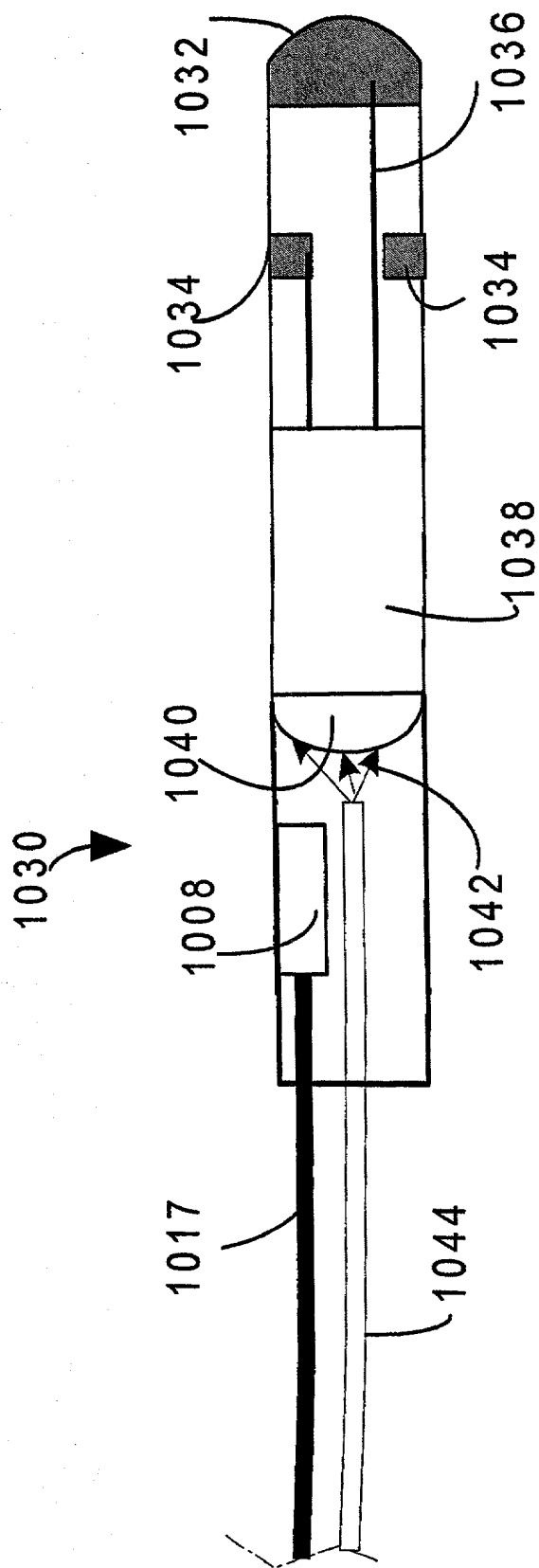


Fig. 10a62

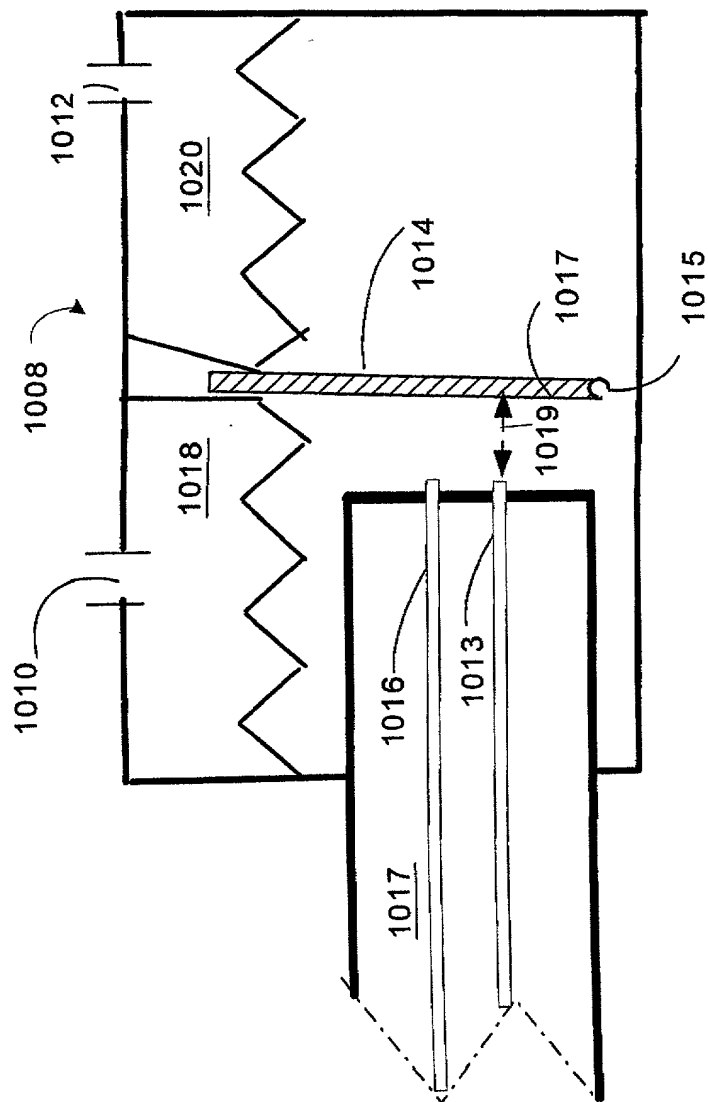


Fig. ~~10b~~ 63

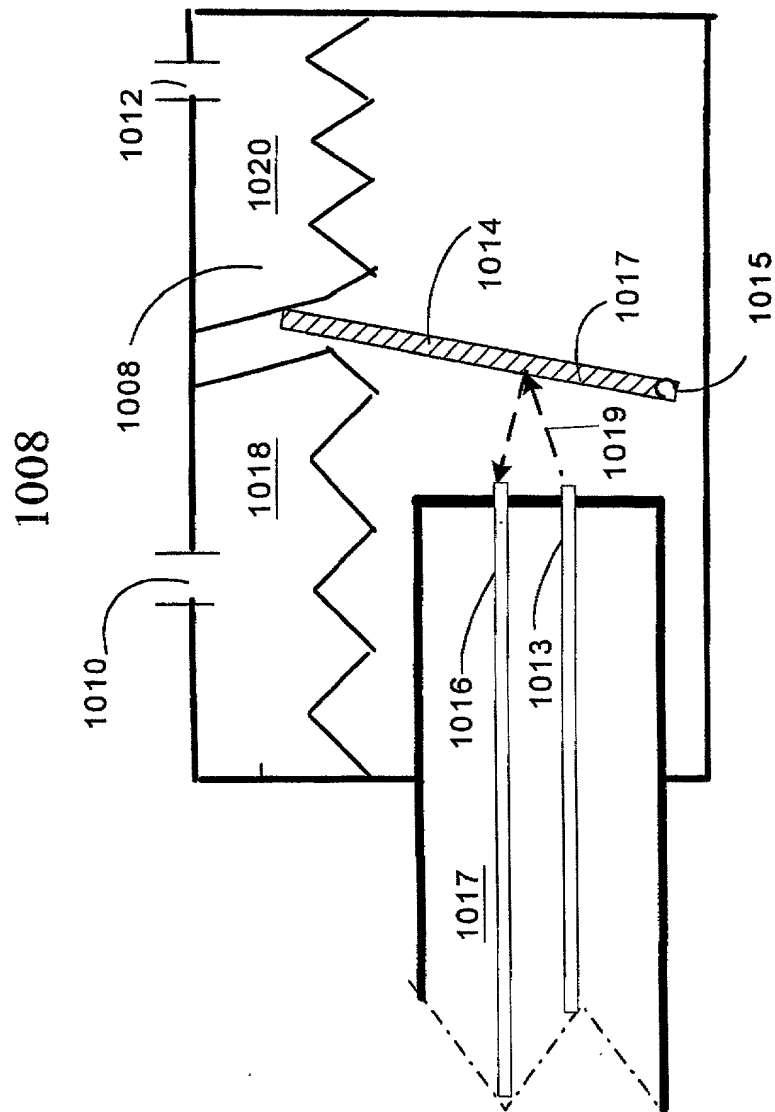


Fig. 10e₆₄

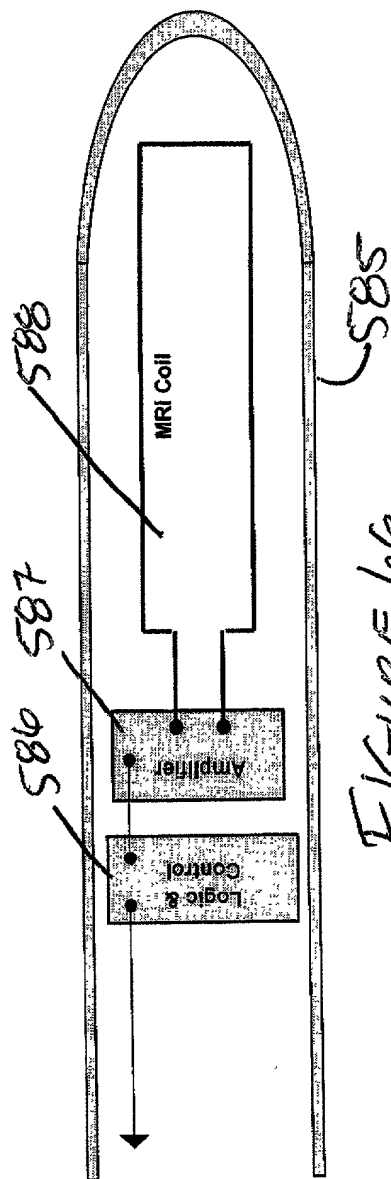


FIGURE 66

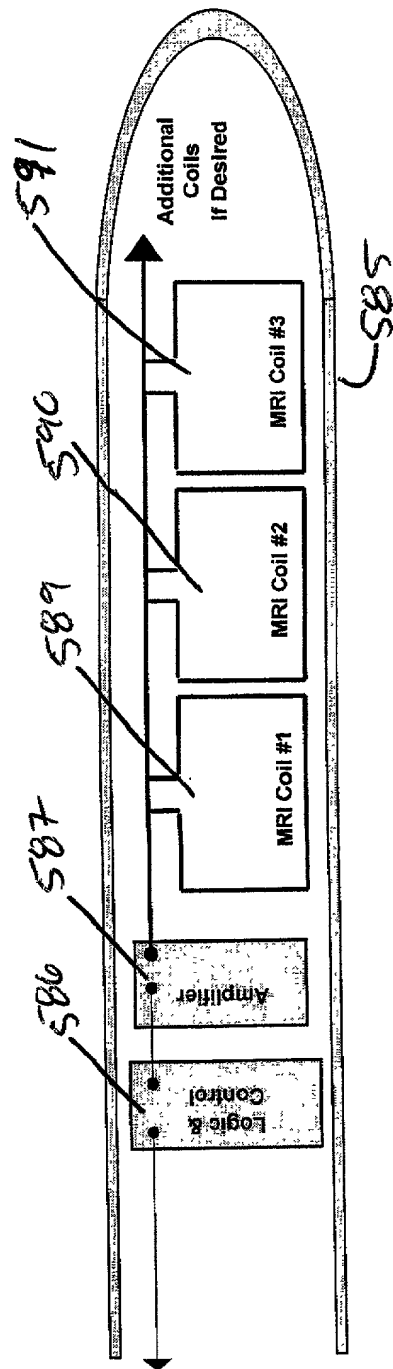


FIGURE 67

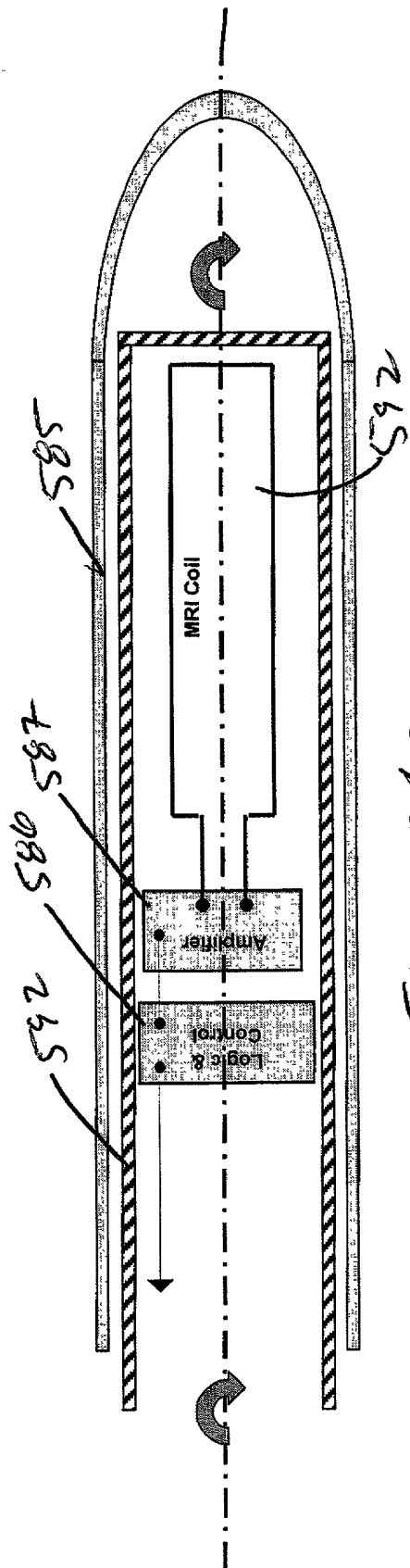


FIGURE 68

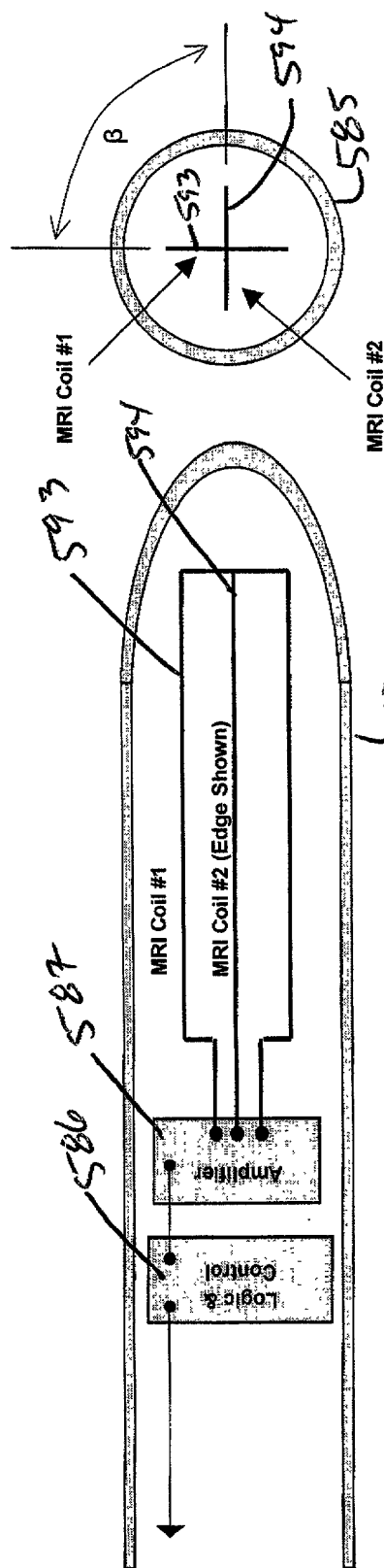


FIGURE 69

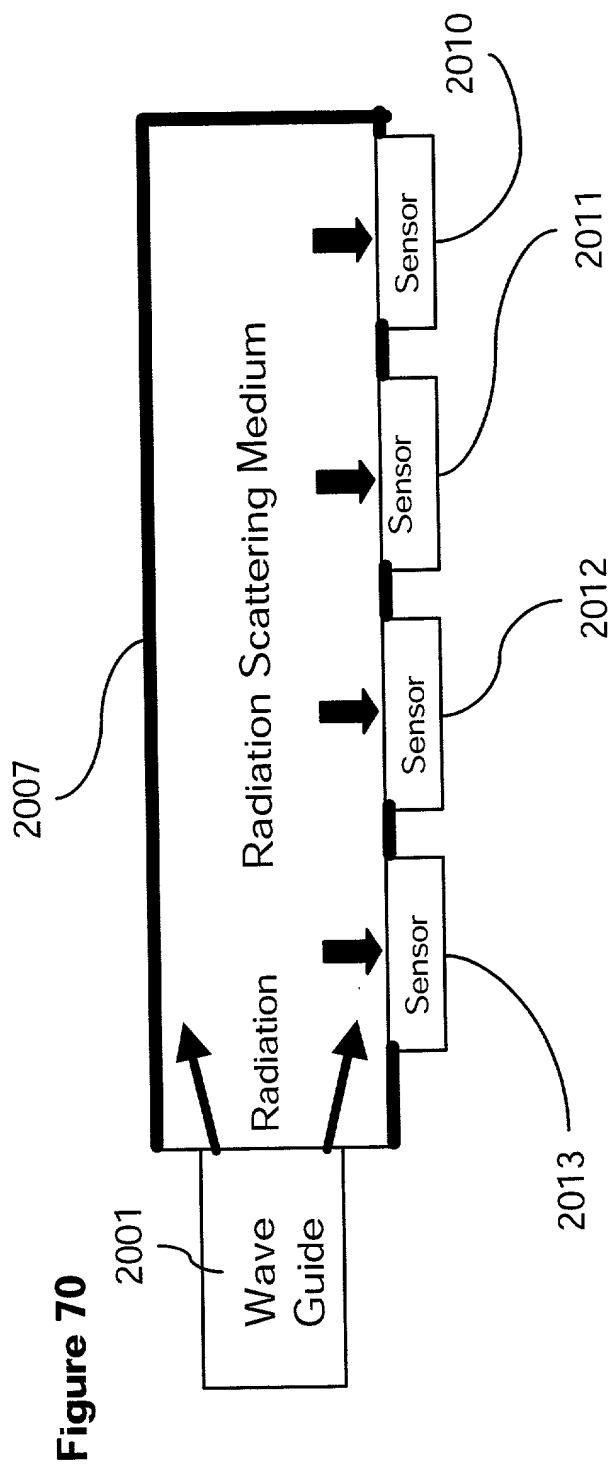


Figure 71

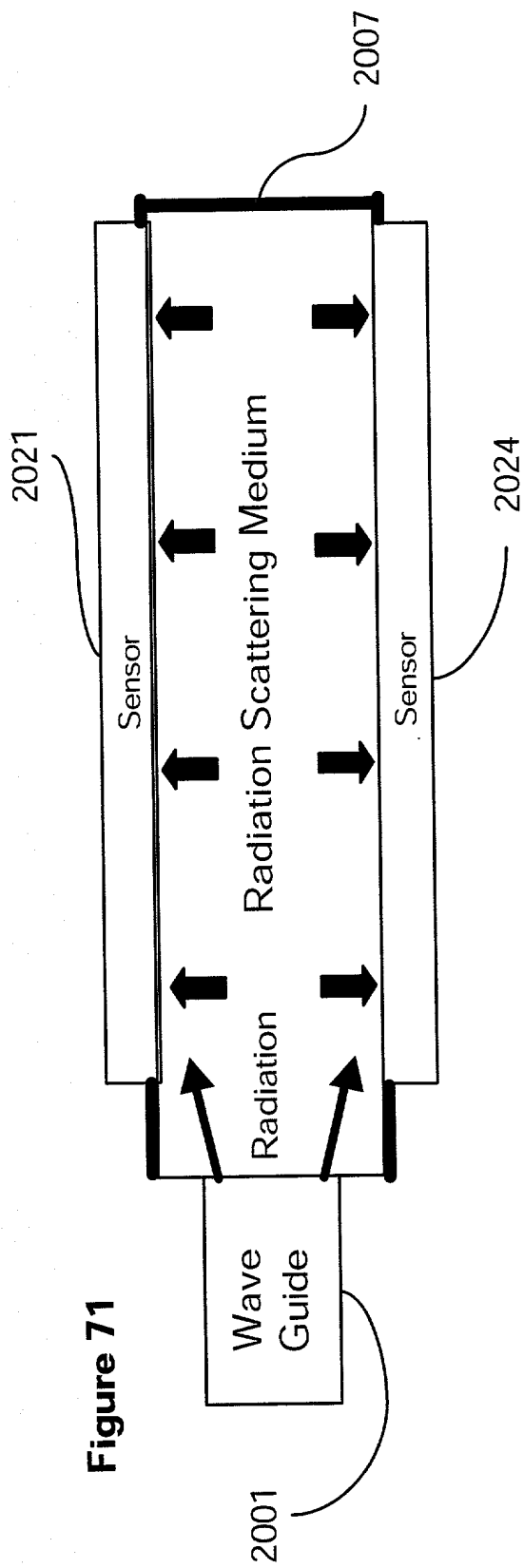


Figure 72

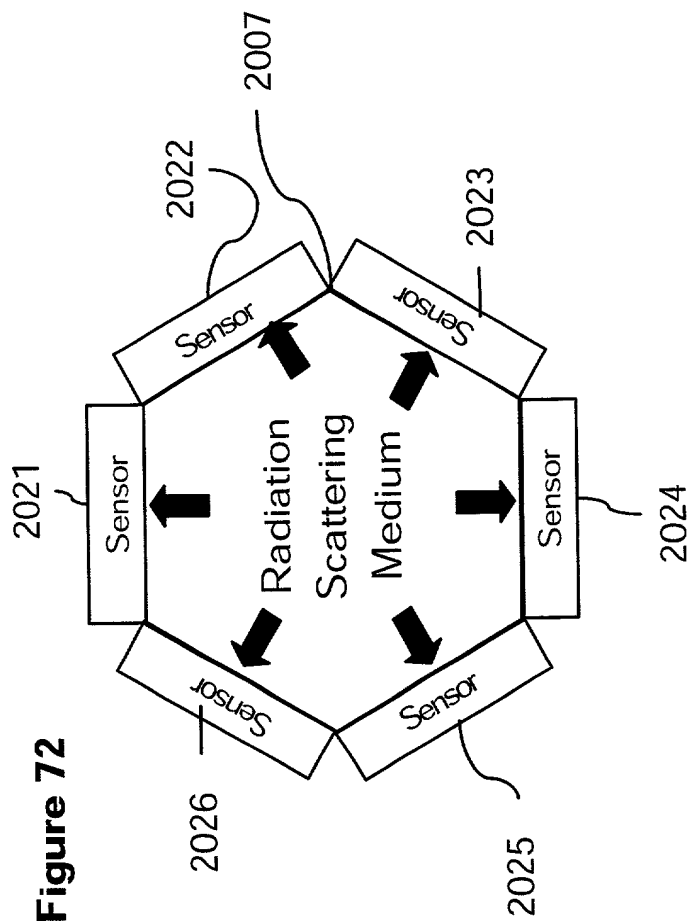


Figure 73

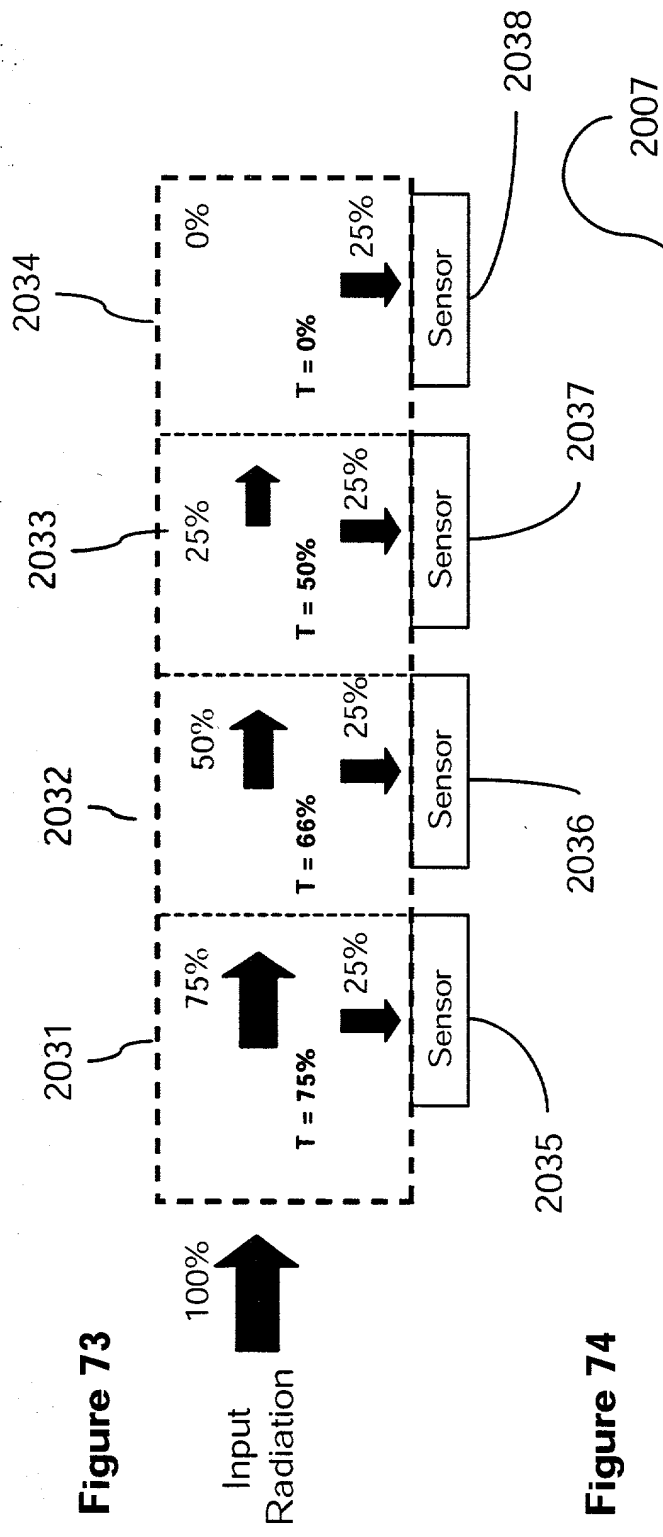
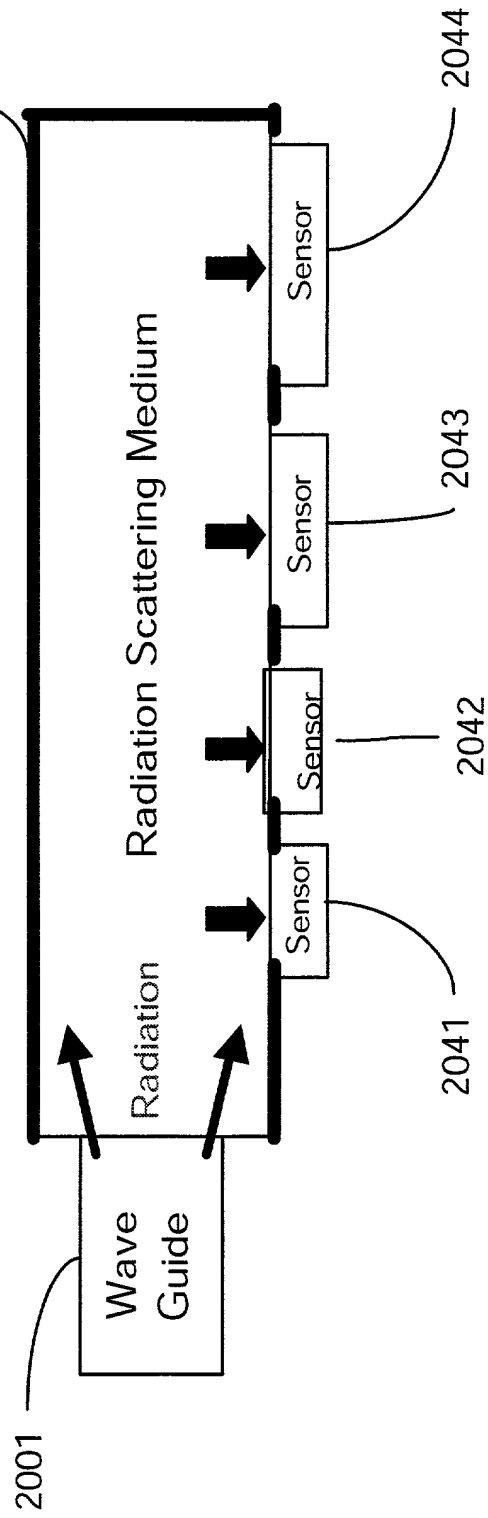


Figure 74



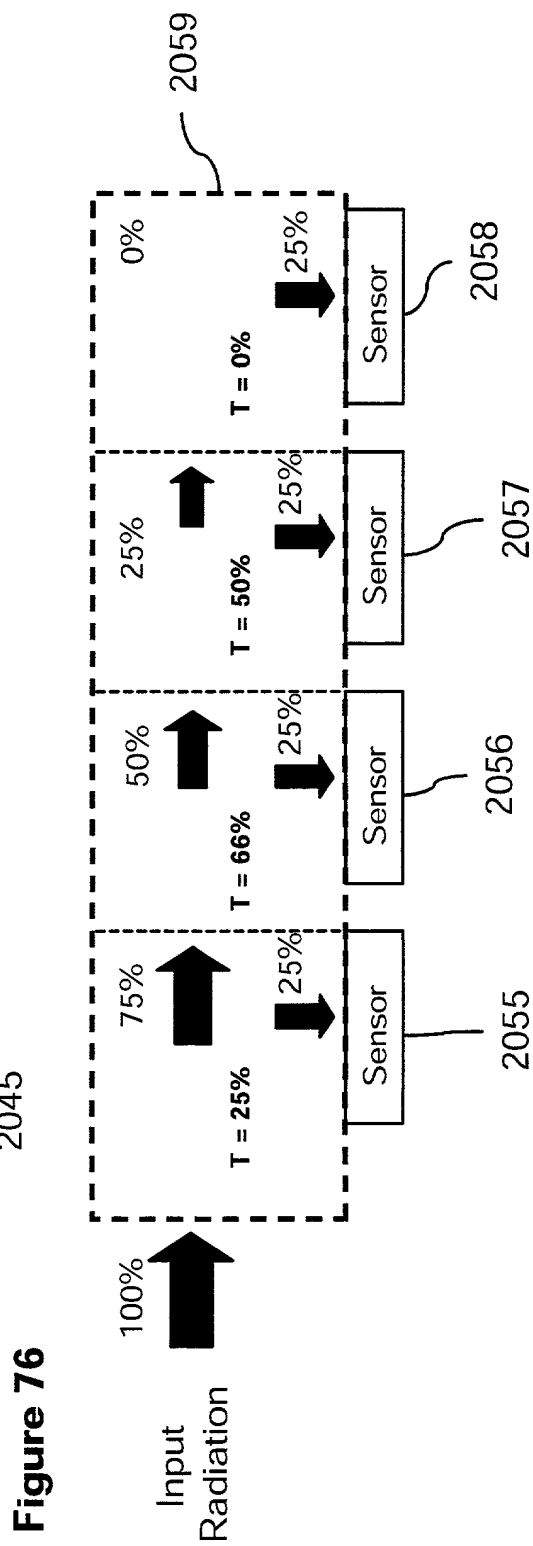
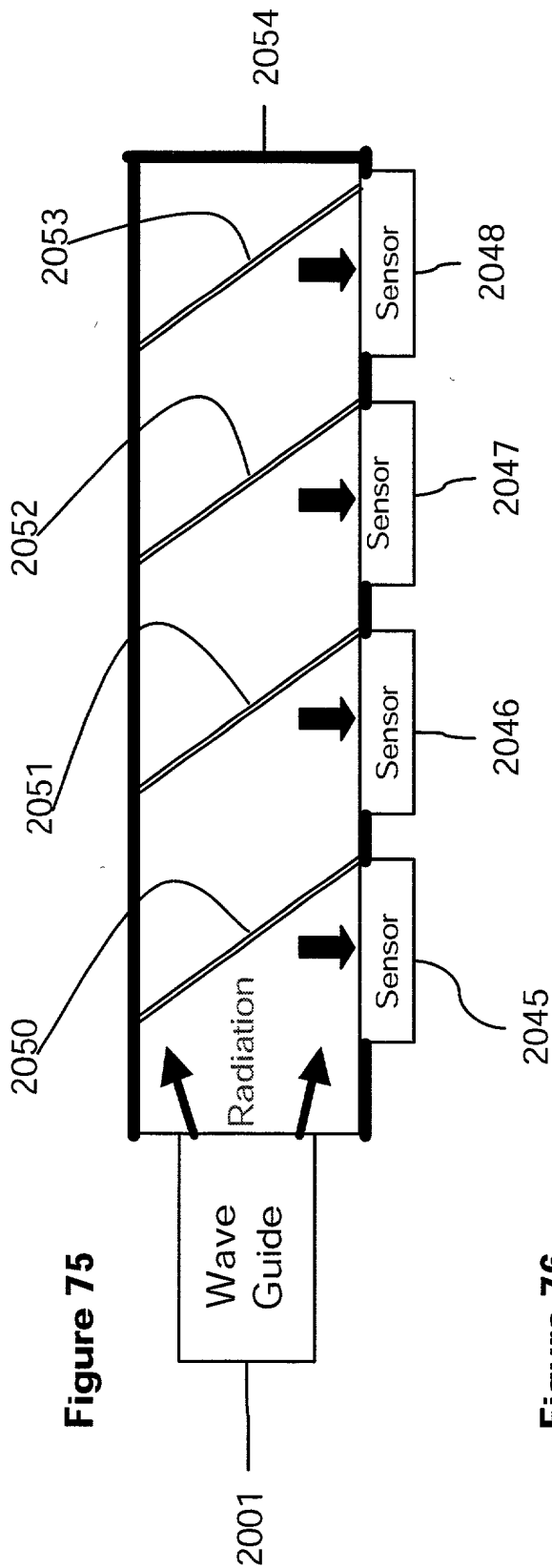


Figure 77

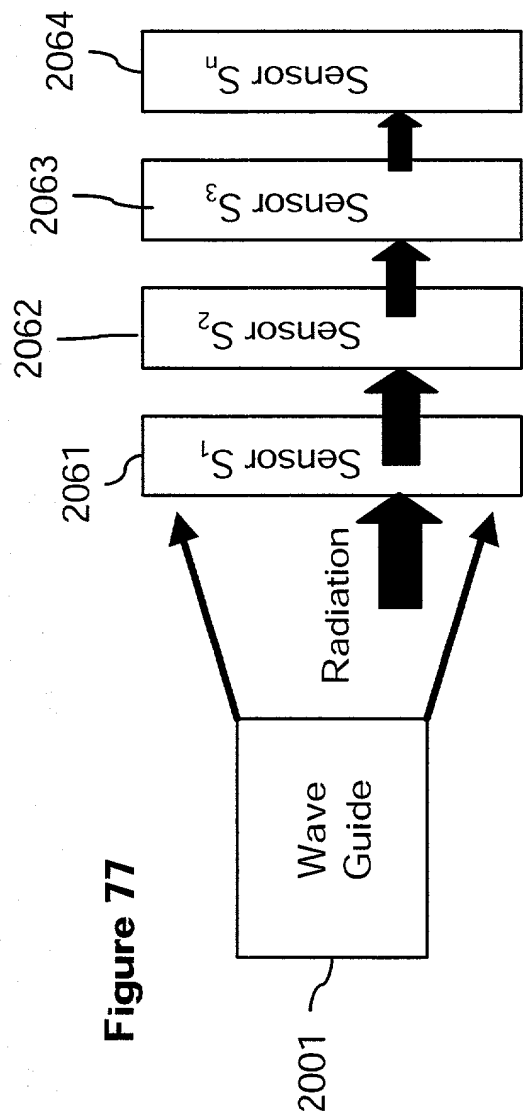
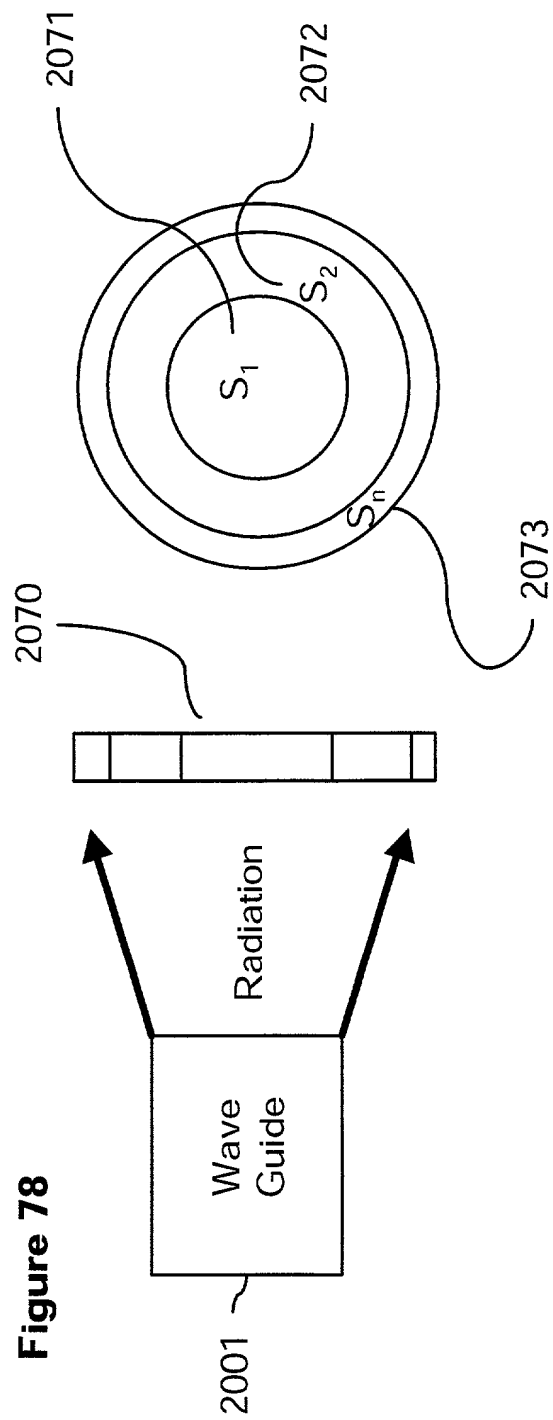
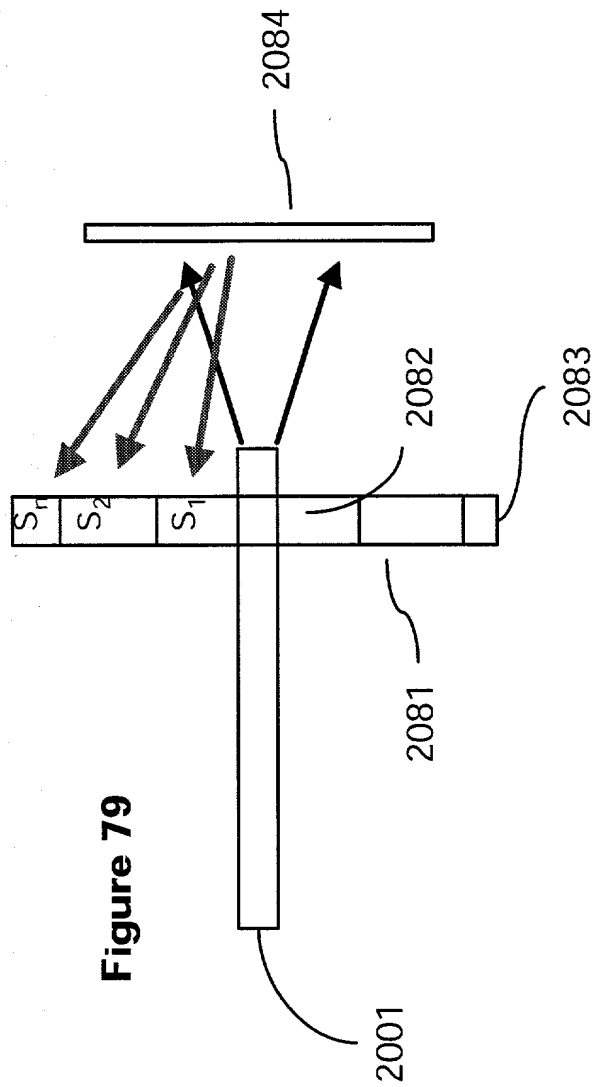


Figure 78





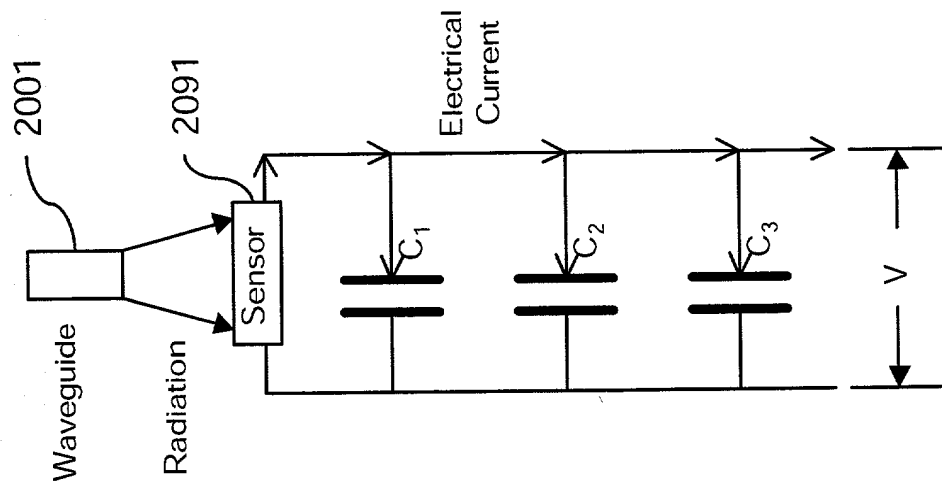


Figure 80

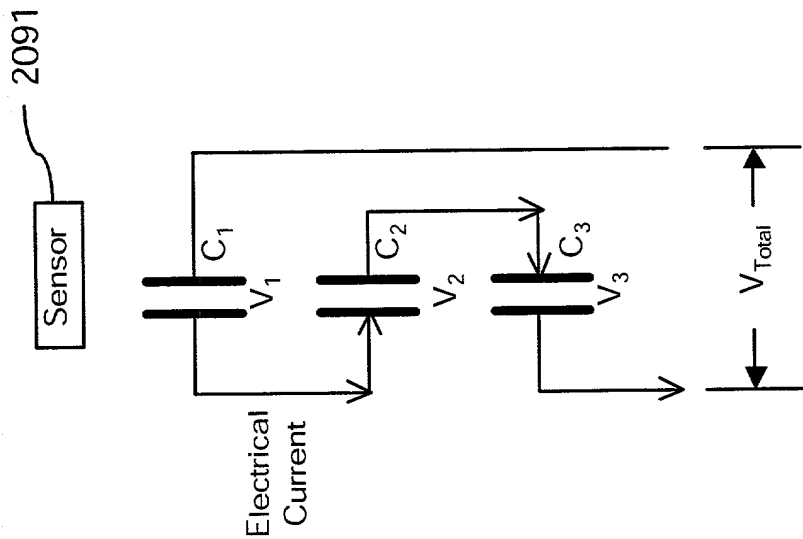


Figure 81

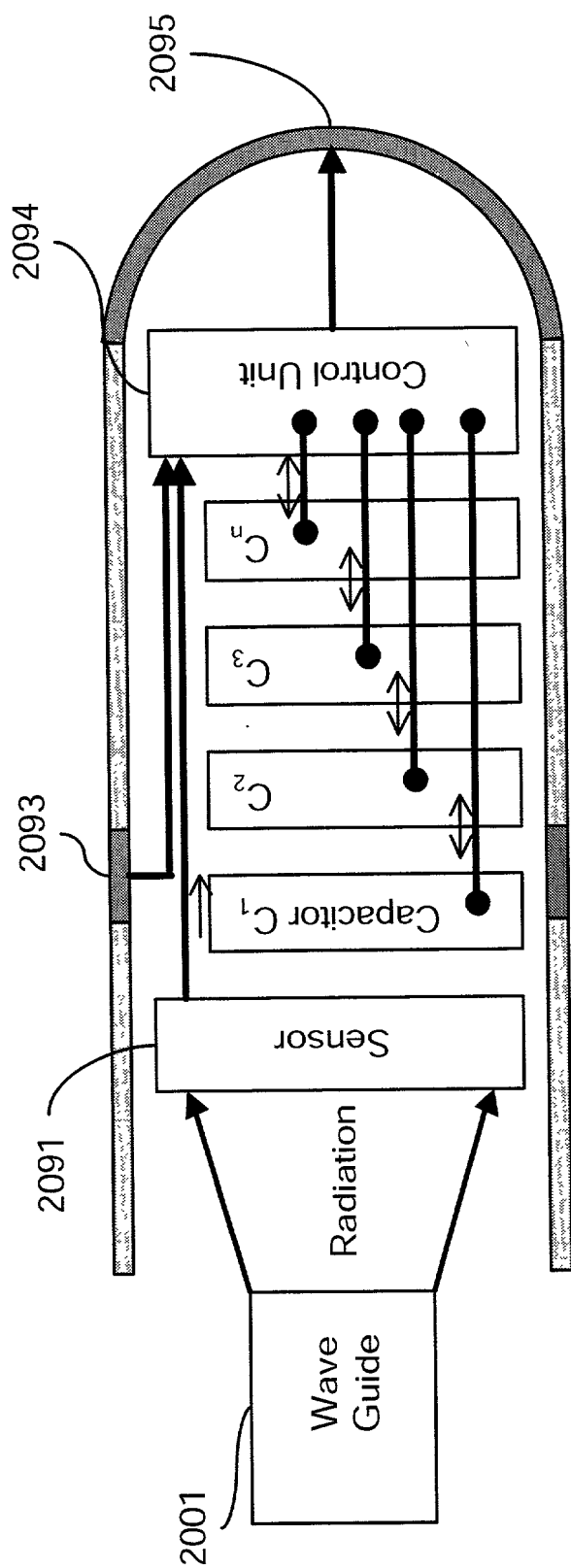


Figure 82

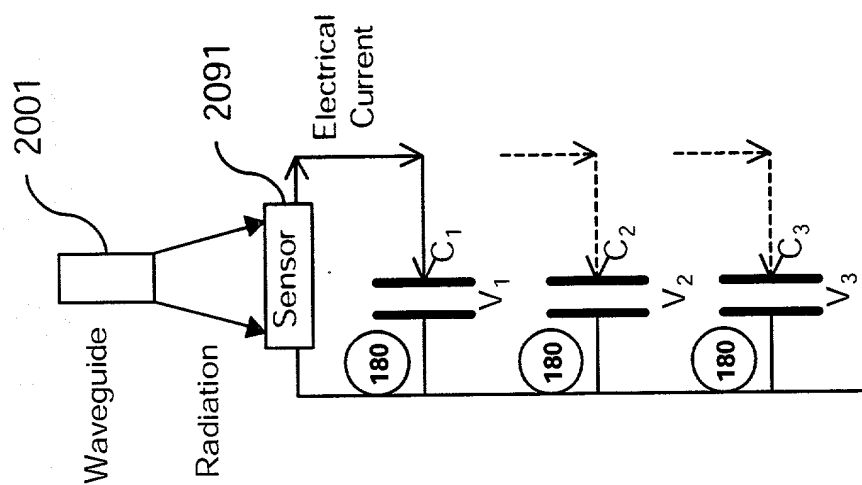


Figure 83

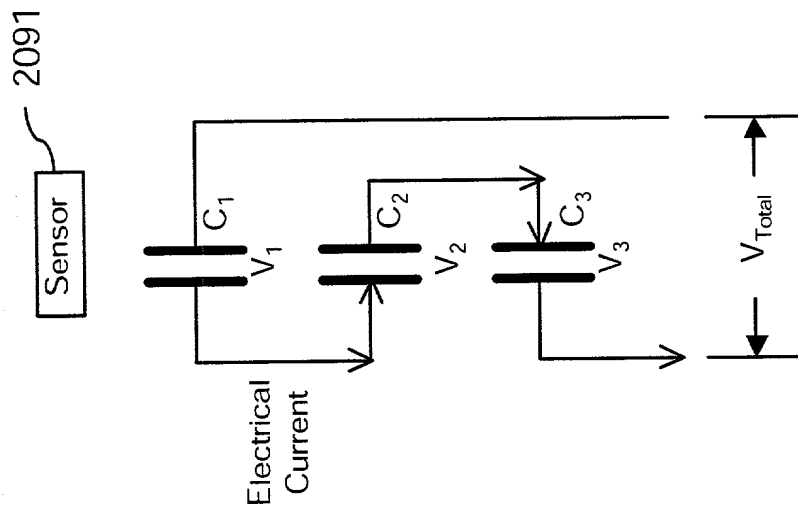


Figure 84

